

Call for Research Proposals

Purpose – READI Actuarial Science Applied Research Fund

The purpose of the READI Actuarial Science Applied Research Fund is to support development of the actuarial profession in Indonesia and encourage public understanding of the profession through targeted research and publications as well as to fill in gaps in knowledge in key areas such as longevity, mortality, gender- and diversity-related considerations and various risks associated with climate change.

Adjudication and awarding of research funding may also be followed by support for: presentation of research findings at workshops; assistance with publication preparation and broad dissemination of results in multiple formats and media to enhance accessibility.

The READI encourages Indonesian researchers/actuaries/practitioners interested in undertaking joint (or collaborative) research with an interested University of Waterloo faculty member to liaise with the READI project to investigate opportunities for such collaboration.

READI expects to undertake an annual call for proposals, as well as undertake specific calls for topical or priority issues.

Who May Apply – General Guidelines

Actuarial professionals, researchers and professionals involved in insurance and risk management and/or modeling or addressing risks associated with climate change and/or gender and social inclusion issues, lecturers and college students may apply

Female applicants are highly encouraged to apply. Applicants can be individuals or teams.

Research papers supported through the READI Actuarial Science Applied Research Fund may be prepared in **Indonesian or English languages**, and should not have been published or presented previously.

READI is also encouraging submission from multi-disciplinary research teams

2018 Priority Topics

For 2018, the READI Applied Research Task Force is particularly interested in proposals related to four topics:

- 1) predictive analytics including big data and the implications to the insurance industry;
- 2) climate and extreme events and implications to insured risks such as crop insurance, earthquake insurance;
- 3) gender, social and financial inclusion and diversity in actuarial milieu; and
- 4) longevity and health.

Proposals that include actuarial science applied research that explicitly incorporate or address gender and social inclusion issues – such as micro insurance for vulnerable populations, small business or personal insurance for women or socially disadvantaged entrepreneurs, and disability insurance – are also strongly encouraged. For background information and suggestions for research subjects please consult the following links: <https://goo.gl/80XKOG> and <https://goo.gl/LvQyGB>

Examples of longevity and health topics include but are not limited to proposals focusing on individual retirement issues, longevity risk pooling and transfer, mortality improvement, and mortality modeling at the older ages. Opportunities that link Actuarial Science (AS) researchers with research questions and issues related to BPJS-Health/BPJS Tenaga Kerja work are also strongly encouraged.

The READI Applied Research Task Force has provided these topic areas as suggestions for applicants. Proposals in other topic areas will be accepted and considered.

Submission Process and Timeline

1. Interested applicants must **complete the research proposal application which available online on April 08th 2019** at <http://www.readiproject.com/>
2. All research proposals will be reviewed by the READI Applied Research Task Force and READI project personnel using the selection criteria described below. READI project staff will confirm grant terms with approved applicants.

The submission deadline is 30th June 2019 at 23.59 WIB.

Selection Criteria

READI has established four criteria for evaluating the letters of intent and proposal applications submitted for funding consideration. For each letter or application, a total score will be determined based on the following criteria and scoring weights:

1. **Relevance to priority topics identified for the Actuarial Science Applied Research fund and year (40% of total score):** In scoring a letter or application for this criterion, reviewers will consider the understanding of the priority topic demonstrated in the proposal and how the proposal contributes to further examination or understanding of the topic.
2. **Impact for Indonesia (20% of total score):** In scoring a letter or application for this criterion, reviewers will consider how the proposal makes an impact on the actuarial profession in Indonesia or addresses a critical gap in research for Indonesia. Since impact is a function of both significance and applicability, reviewers will also consider the likelihood that the proposed research will achieve its desired outcome.
3. **Innovation (20% of total score):** In scoring a letter or application for this criterion, the reviewers will assess the potential for innovation associated with the proposed research and "value-added" for the actuarial milieu in Indonesia.
4. **Viable (20% of the total score):** In scoring a letter or application for this criterion, the reviewers will analyze the viability of the research concept and methodology.

Note: READI Applied Research Task Force will score the paper based on 1-5 scale based on the web-based application. Research proposals will be judged on several criteria, including the credibility of the research design with regard to how different standard demographic variables such as disaggregation and analysis of data by age and sex are treated.

Selection and Award

Applications will be reviewed by the READI Applied Research Task Force and READI project staff. Recipients of READI Actuarial Science Applied Research awards will be notified by **15st August 2019**.

Recipients of awards will be invited to present their work at READI workshops and/or public interest events, such as the "Actuarial Science in Climate and Development Conference" or similar event in mid 2019. All winners will also receive a certificate confirming him/her as the recipient of a "READI Actuarial Science Applied Research Award".

Expectations of Research Paper

The end-product of the research is expected to be a high-quality paper (in English or Indonesian) suitable for publication or use in communication materials. (abstract should be in English).

Research Contract

Selected applicants will enter into a formal contractual arrangement with the READI project. Once awarded, READI intends to monitor the progress of the research effort closely.

Award amounts can be up to 75 Million IDR – with a duration of one year. Awards in excess of 75 Million IDR may be considered on a case by case basis.

Award Disbursement

First installment (30%) of the fund will be distributed upon awarded proposal. The second installment (40%) will be disbursed upon six months research period and final installment (30%) will be paid once the recipient(s) have submitted their products and expenditure reports and approved by the committee.

Important Policies

Conflicts of Interest:

Submissions must include a declaration and identification of any potential conflict of interest (e.g., commercial support interest for sponsors, instructors, content of instruction, or any other relationship that could reasonably be construed as a conflict of interest).

Attendance:

For each accepted paper, at least one author must attend the READI Research conference and present the paper. Authors of all accepted papers must prepare a version for publication, a poster, and a maximum of three-minute short video presentation (if necessary).

Copyright:

For accepted papers, the authors agree that the papers will be made available to the public on the READI website (or other related publication).

Submission:

An applicant may submit more than 1(one) research proposals. However only 1 (one) grant will be awarded to each researcher under this for research proposal.

Next Steps

Date	Activity
08th April 2019	Call for research proposals
30th June 2019	Deadline for submission 23.59 WIB
01st Jul – 31th Jul 2019	Shortlisting
01st August 2019	Awards announced
August 2019 onward	Research commences

Further enquiries may be directed to: as.appliedresearch@uwaterloo.ca