

OPEN CALL

RISPRO KOLABORASI INTERNASIONAL

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Scope of presentation

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Brief about RISPRO-KI

The General service agency to managing endowment fund for education or Known as LPDP (Lembaga Pengelola Dana Abadi Pendidikan) has initiated a new research financial scheme; its call RISPRO International Research Collaboration (RISPRO-KI).

The scheme will **fund basic scientific investigations** that show promise for increasing the **knowledge value** of scientific explorations in Indonesia society, while at the same time participating in the establishment of a vibrant Indonesia scientific research community on par with global and **international scientific standards** for excellence and merit-review. The scheme will also fund **technological innovation** research that can contribute to the national economy growth.

Keyword: basic scientific investigations, knowledge value, international scientific standard, technological innovation research

The scheme will award scientific research grants up to 3 years. Proposals will be selected on an open merit and competitive bases, through a peer-reviewed selection process.

Objective

- a) To **increase international publication** with the standard Q1 and Q2, intellectual property right, and social engineering model (policy recommendation);
- b) To increase **the quality and productivity** national's researchers

By creating an **open system** and **flexible of financial** support for scientific research, the scheme will endeavour to provide the leverage needed to nurture an environment of scientific excellence in Indonesia by offering **proper mechanism** for researchers to dedicated their efforts towards quality in-depth scientific research and to achieve scientific excellence.

Keyword: open system, flexible of financial, proper mechanism

Scheme

- a) Fundamental, frontier, and excellent research including technology innovation;
- b) Research grant up to 3 years and IDR 2 billion/year
- c) Selected on an open merit and competitive basis, through a peer-reviewed selection process
- d) Focus area on health, advance material/nanotechnology, and marine science and technology
- e) Multi year research grant
- f) Consortium research consist of domestic and international research institutions
- g) Promoting interdisciplinary research projects;
- h) The expected results of the research must be eligible for publication in highly reputable scientific journal, high economy values patent, proven technology/prototype, and/or social engineering model

Focus Areas

a) Life Science/Health

There are still a lot of issues in health that need technological solution and this issues are one of national priority of technology development. The scope of research proposal can cover basic/fundamental research, applied to development research that will become the forerunners of innovation.

Genomic, cell therapy, digital health, stunting, neglected diseases are the main issue for this call

b) Advance Material/Nanotechnology

Advance material or nanoscience and nanotechnology are highly interdisciplinary and cut across industrial and commercial sectors to research and create new materials and devices with remarkable properties and functions.

Nano medicine, nano electronic, bio mineralization, nano cellulose, nano electromechanic, super paramagnetic material, supra moleculler chemist, passive nano structure, active nano device, complex nano machine, nano system, nano pillars, and nano particles are among the main issues of this area

c) Marine Science and Technology

How can the oceans contribute to Indonesia economy development and civilization now and in the future? How far can we make use of marine, biological and no biological resources for people's welfare? The scope of research proposal can cover basic/fundamental, applied to development research that will contribute to Indonesia economy.

Marine biodiversity, marine biotechnology, deep sea, marine product development, under water and sea surface vehicle including unman vehicle, wave/current energy, algae energy, coral reef are among the issues in this area

Why Basic and Interdisciplinary?

- a) Problem statement :** cluttered, blurred background of astronomy and radiology objects
Collaboration between astronomers (John Hopkins Univ. and Space Telescope Science Inst.) and cancer researchers (Georgetown Univ. Lombardi) generated new software that allows radiologists greater ability to search mammograms for signs of breast cancer using astronomical computer software.
- b) Problem statement:** disruptions to vital satellite services and electrical power grid
Modern society relies on satellites for communication, global positioning, fir weather data, and for agriculture information. By studying more about star, the Sun, and how it interacts with the earth's upper atmosphere especially integrating that knowledge with computational science and electrical engineering, researchers learn how to understand and predict geomagnetic storms high above the earth's surface.
- c) Problem statement:** secure communication
Set up encoding and decoding procedures before corresponding. Public-key cryptography, users can publish their public keys, just as one would publish one's phone number in a telephone directory. Integrating the mathematic, information, communication technology then researchers can developed cryptography technology that what makes possible eCommerce, a significant and growing fraction of our economy today.

Who may to submit proposal?

a) Indonesia's Research and Technology Development (RTD) institutions:

- Universities (public and/or private universities)
- Public Research and Technology Development Institutions
- Private sectors/Non-government organizations with R&D capabilities
- Companies/Industries

The participation of SMEs, industries and clusters in consortia is recommended

b) Principle Investigator (PI)

- Has to be Indonesian and based in Indonesia
- should hold the Phd or Doctoral degree and not in the on-going advance study, academic recharging or post doctoral course
- Must have an organizational affiliation with educational, research or application of research based
- Has the international partner which is written in the cooperative agreement. Preferable has existing joint research and or international research networks. The international partner should be foreign RTD entities especially which has already cooperation with LPDP in scholarship program
- PI can only submit one application at a time, multiple applications are not accepted
- Has at least 3 publication as 1st or corresponding author in the international journal with minimum Q2 Scopus index that relevant with the topic of proposed research proposal

When and how to submit proposal?

a) When to submit:

- Online proposal submission begins Feb 17th, 2020
- Deadline for proposal submission is May 30th, 2020 at 5 pm Jakarta's time
- All proposals must be written in English only

b) How to submit:

- Project proposals are to be submitted electronically to: <https://risprolpdp.kemenkeu.go.id>

For more information, please read the grant manual or contact DIPI as RISPRO's Partner
pic. Adam Bakhtiar at adam.bakhtiar@dpi.id WA +6285211342556

Proposal Outline

- a) Project summary (300 words)
- b) Background
- c) Project objective
- d) Research plan – work breakdown structure
- e) Scientific relevance
- f) Broader impacts
- g) Sustainability
- h) Innovative approaches
- i) Teamwork/personnel
- j) Collaboration (National and International)
- k) Capacity building/training
- l) Request research budget
- m) Timeline

Cost Principle

a) Allowable:

- Reasonable and allocable
- Are adequately funded
- All supporting documents and supporting evidence are well documented
- Occurs within the research grant period
- Directly related to the objectives of research funding

b) Reasonable:

- Is of an ordinary and necessary amount for implement of the award
- Adheres to general sound business practices, arms-length bargaining, local laws, regulations and customs
- Does not deviate from established practices of the organization
- Reasonable and accountable properly

c) Allocable:

Costs shall be allocated among funding sources in accordance with the relative benefits received. If a good or service will be used for the benefit of the research and at the same time other activities (outside the scope of this award), the cost of the good or service shall be allocated among these various funding sources.

Unallowable Cost

- a) Purchase of land, buildings and fixed assets, vehicles (trucks, cars, motorcycles, etc.), heavy equipment and heavy machinery or similar;
- b) Financing related to military activities, law enforcement, or surveillance equipment;
- c) Cost of entertainment and promotional expenses with no clear purpose for the program;
- d) Gifts, gratuities, donations;
- e) Any expenditures to politically affiliated organizations or parties, as well as costs associated with political campaigns;
- f) Alcoholic beverages and tobacco products;
- g) The cost of sanctions or fines;
- h) International travel expenses not related to the program. Ticketed travel cost should be maximized by traveling only via economy class;
- i) Repayment of existing implementing obligations prior to signing of the cooperative agreement, compensation costs for media;
- j) Unreasonable payroll/honorarium payments or those without a clear attendance list and supporting documents;
- k) Advertising cost and public promotions made for promotional purposes of the implementing organization and not related to the completion of the program;
- l) Cost of legal courts;
- m) License fee;
- n) School and university tuition and fees;
- o) Cost related to unlawful activities in Indonesia

Budget Structure

Direct Cost:
(95% total cost)



Direct Cost for Personnel:
(30% x total cost)



➤ Salaries or stipend of Indonesian researchers



Direct Cost for non-Personnel:
65% x total cost)



- ✓ Supplies, material, consumables, or instrument cost
- ✓ Rental equipment (purchasing, buying small eq. can be covered)
- ✓ Travel abroad (2 times/year and max 250 million IDR)
- ✓ FGD/capacity building/training, survey, socialization, seminar, dissemination
- ✓ Scientific event or project meeting
- ✓ Registration fee for IPR, research permit, publication.
- ✓ Photocopy, printing and binding

Indirect Cost:
(5% total cost)



- Internal monitoring, administration cost, institutional cost (2.5%)
- Management fee for RISPRO's partner (2.5%)

Note: - 2 times disbursement (70% and 30%)

- Include tax and others cost

- Final project cost based on final review of RISPRO's partner and/or LPDP

Scientific Merit Criteria

1. SCIENTIFIC RELEVANCE:

TO WHAT EXTENT DOES THE PROPOSED RESEARCH AND EXPERIMENTAL DESIGN ADDRESS IMPORTANT GAPS IN KNOWLEDGE WITHIN THE SCIENTIFIC FIELD(S)/AREA(S) EXPLORED THROUGH THE QUESTIONS ASKED/HYPOTHESES TESTED? TO WHAT EXTENT DO THE MERITS OF SCIENTIFIC OUTPUT OF THE RESEARCH PROPOSED GIVE LEVERAGE IN PROPELLING FUTURE SCIENTIFIC INVESTIGATIONS?

2. INNOVATIVE / NOVEL APPROACHES:

DOES THE PROPOSED RESEARCH PROVIDE NOVEL APPROACH TO THE QUESTIONS BEING ASKED, HYPOTHESES TESTED AND KNOWLEDGE GAP ADDRESSED? CAN THE PROJECT SUSTAIN ITSELF PAST THE AWARD LIFE-TIME?

3. HUMAN CAPACITY BUILDING:

DO ASPECTS OF THE INVESTIGATOR'S AND RESEARCHER'S BACKGROUND AND EXPERIENCES SUGGEST THAT HIS/HER ABILITY TO CONDUCT THE PROPOSED RESEARCH WILL BE SUCCESSFUL? WHAT ARE THE PROSPECTS AND LIKELIHOOD THAT THE FUNDING WILL ENHANCE THE INVESTIGATOR'S POTENTIAL AND COMMITMENT TO PRODUCTIVE INDEPENDENT SCIENTIFIC RESEARCH IN THE FUTURE?

4. BROADER IMPACTS:

TO WHAT EXTENT WILL THE PROPOSED RESEARCH INCREASE THE PROFILE OF INDONESIA IN INTERNATIONAL RESEARCH ENDEAVOR? TO WHAT EXTENT WILL THE PROPOSED RESEARCH ENHANCE THE INFRASTRUCTURE FOR RESEARCH AND EDUCATION, SUCH AS FACILITIES, INSTRUMENTATION, NETWORKS, AND PARTNERSHIPS? TO WHAT EXTENT WILL THE RESULTS BE DISSEMINATED BROADLY TO ENHANCE SCIENTIFIC AND TECHNOLOGICAL UNDERSTANDING? TO WHAT EXTENT MAY THE PROPOSED ACTIVITY BENEFIT GOVERNMENT AND SOCIETY?

Timeline

PROGRAM	TIME SCHEDULE
Pre-announcement of the Call for Proposals	10 January 2020
Launch of the Call for Proposals	17 February 2020
Deadline for proposal submission	30 May 2020
Eligibility check	1 – 7 June 2020
Online evaluations	8 June – 20 July 2020
Review by Scientific Council	20 July – 10 August 2020
Scientific Council/ Innovation Council Meeting	10 – 15 August 2020
Cost Analysis (Verification of Budget Proposal)	15 – 30 August 2020
Offering Letter	10 – 17 September 2020
Announcement	18 September 2020
Signed Research Agreement	30 September – 7 October 2020
Start of projects (1 st Disbursement)	20 – 30 October 2020



lembaga pengelola dana pendidikan



Indonesian Science Fund

thank you

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