



Wisma Nusantara 5th Floor  
Jl. MH Thamrin No. 59  
Jakarta 10350 - Indonesia

## Terms of Reference

### RESEARCH DIVE FOR DEVELOPMENT

**Theme: Inclusive Development and Humanitarian Responses**

**June 12-15, 2023**

#### 1. INTRODUCTION

United Nations Global Pulse<sup>1</sup> is a special innovation initiative of the UN Secretary-General on big data and the data revolution.<sup>2</sup> It tests new approaches using big data and frontier technologies, such as machine learning and artificial intelligence, to inform public policy across different sectors, such as urban dynamics, trade and competitiveness, climate change and humanitarian action. Pulse Lab Jakarta (PLJ) is a joint project of the United Nations and the Government of Indonesia through UN Global Pulse and the Indonesian Ministry of National Development Planning (Bappenas), respectively.

Part of PLJ's role is as a networking catalyst by building links between academic communities, policy analysis and new technologies. Towards this objective, the Lab has hosted *Research Dives for Development* since 2016 on relevant themes and methods in collaboration with universities and government institutions. The events convene mid-career researchers for a four-day data dive in which innovative methods, models, and policy-relevant insights emerge.

Pulse Lab Jakarta is collaborating with Saraswati, in partnership with CBM Global Disability Inclusion and Data Science Indonesia, for an upcoming Research Dive for Development focusing on **inclusivity**. Persons with Disabilities often face disadvantages and have higher barriers to enjoying the same human rights and freedoms as their non-disabled counterparts. These barriers include inadequate data and evidence. The upcoming Research Dive aims to identify the knowledge and data gaps to promote more relevant and higher-quality data by enhancing researchers' familiarity with several data sets, including data on disability collected by the government, such as socio-economic surveys and data for disability, such as schools for children with disability. By bringing together stakeholders and exploring new ways for data integration, Research Dive has the potential to advance our understanding of disability and improve outcomes for persons with disabilities.

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<sup>1</sup> <http://unglobalpulse.org>

<sup>2</sup> <http://undatarevolution.org>

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## 2. RESEARCH DIVE FOR DEVELOPMENT

*Research Dive for Development* is not a competition but a “collaborative” research event where a small group of researchers explore and analyse the given data sets within the four-day event. The data sets are related to development and humanitarian issues in Indonesia. Upon completing the research, each of the four groups is encouraged to write a summary based on each result in an extended abstract<sup>3</sup>. The abstracts are then compiled into a report.

More information on previous Research Dives for Development is available here: [http://rd.pulselabjakarta.org/previous\\_dives](http://rd.pulselabjakarta.org/previous_dives).

### 2.1. PARTICIPANTS

PLJ and Saraswati intend to invite about **16 mid-career researchers** from Indonesian universities or research institutions with data-centric backgrounds (economics, computer science/information engineering, statistics, geography) and subject matter expertise with some experience in data analysis. In particular, we are interested in the following profiles:

- Lecturers with a postgraduate degree (master’s or doctorate) with (a) two to seven years of relevant research or teaching experience in areas related to the research tasks, highlighted below and (b) two or more scientific/ technical publications; or,
- Researchers pursuing doctoral degrees with two or more scientific/ technical publications in fields related to the research tasks, below; or,
- Researchers with a doctoral degree in related disciplines but no longer than six years research or teaching experience post-doctorate.
- Qualified researchers with disabilities are strongly encouraged to apply.

### 2.2. RESEARCH TASK

PLJ and Saraswati invites applicants specifically who can work on the following four research tasks:

#### Task 1. Exploring the inclusive approaches to disaster risk reduction

- Main data source: Inarisk and Susenas data

#### Task 2. Understanding the education challenge for children with disabilities

- Main data source: Dapodik, Geolocation and Susenas data

#### Task 3. Investigating the employment opportunities for persons with disabilities

- Main data source: Sakernas data & Susenas data

#### Task 4. Examining healthcare utilization for persons with disabilities

- Main data sources: SIRS data & Susenas data

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<sup>3</sup> Each group can select to write the extended abstract in English or Bahasa Indonesia. The maximum length is 2 pages.

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### 2.3. APPLICATION

Each applicant is encouraged to submit:

- An application (**one PDF**) by **09.00 WIB on 2 June 2023** through the Google Form found here: [RDID-submission](#). **Please use a Google account to submit.**
- **Please compile below the required documents into a single PDF file and read the guidelines carefully before submitting.**
  - Curriculum Vitae in English or Bahasa Indonesia (including the years of education, list of research activities and publications, without including any certificates);
  - A recommendation letter in English or Bahasa Indonesia from anyone familiar with the applicant's research skills; and
  - An one-page document in English or Bahasa Indonesia that clearly explains the applicant's first and second preference among the four tasks, highlighted above, covering (a) the applicant's relevant research experience and (b) her/his ideas for potential approaches to tackling the tasks of interest.

PLJ and Saraswati will select the final list of participants (about 16 individuals) based on (a) academic background, (b) research experience, including publication records, and (c) the quality/relevance of the applicant's suggested approaches to data analysis.

Saraswati will cover the participants' expenses, including transportation (from outside Jakarta only), meals and snacks, and accommodation for the duration of the event. **However, PLJ and Saraswati will not extend an invitation if a candidate cannot attend the full duration of the event.**

Successful applicants will be notified by 7 June 2023.

Should you have any inquiries, please contact:

- Anyssa Satharina Maulida (Ica) at: [a.satharina@gmail.com](mailto:a.satharina@gmail.com)
- Office phone: +62.812.9039.8660
- PLJ Research Dive: <http://rd.pulselabjakarta.org>

### 2.4. EXPECTED OUTPUTS

Each team is invited to present their results at the end of the event and submit an extended abstract that describes their analysis, preliminary results and a short discussion as part of the Reports. PLJ also strongly encourages the participants to publish the results in academic journals, conferences or workshops.

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### 3. SCHEDULE

**(ID):** Programme in Bahasa Indonesia

**(EN):** Programme in English

DATE	TIME	ACTIVITY	VENUE
<b>12 June (Mon)</b>		Participant Arrival and Hotel Check-in	<b>(Hotel TBC)</b>
	16:00 - 16:10	Registration	
	16:10 - 16:30	<b>(ID)</b> Greeting & Induction	
	16:30 - 18:30	<b>(ID)</b> Group Brainstorming on Methods	
<b>13 June (Tue)</b>	08:00 - 10:30	<b>(ID)</b> Opening & Security Briefing <b>(ID)</b> Domain Advisors Presentation <b>(ID)</b> Sharing Session on Methods (15 mins / Group)	<b>(Pulse Lab Jakarta/TBC)</b>
	10:30 - 21:00	<b>(ID)</b> Research Dive	
<b>14 June (Wed)</b>	08:00 - 09:30	<b>(ID)</b> Sharing Session on Updates (20 mins / Group)	
	09:30 - 21:00	<b>(ID)</b> Research Dive	
	13:30 - 15:30	<b>(ID)</b> Mini Workshop Presentation	
<b>15 June (Thu)</b>	08:30 - 11:00	<b>(EN/ID)</b> Final Presentation <ul style="list-style-type: none"> <li>• Opening (15 mins)</li> <li>• Group presentation + Q&amp;A (30 mins / Group)</li> </ul>	
	11.00 - 11:10	Closing	