Evaluating Impact: From Promise to Evidence

BIDIKMISI - Indonesia Education Team-

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1. Intervention Summary

A. Brief description of program activities and outputs:
   - BIDIKMISI is a student aid program.
   - The aid covers tuition fee and living allowance.
   - Criteria: student from poor economic background with total family income less than or equal to IDR 2 million (+ USD 200) / month.

B. Who is targeted? Student who comes from poor household.

C. Where is it conducted? All over Indonesia

D. When is it conducted? Since 2010 – until present

E. Name(s) of implementing organization(s)? Directorate General of Higher Education (DGHE), Ministry of Education and Culture.
2. Results Chain

**PROGRAM**

- **Input**: budget (tuition fee and living allowance)
- **Activities**: selecting beneficiaries (student), distributing the student aid.
- **Outputs**: number of student that receives the student aid

**INTERMEDIATE OUTCOME**

- Percentage of students enrolled to Higher Education Institution (HEI).
- Percentage of students who receiving student aid that graduated on time.

**OUTCOME**

- Percentage of students receiving student aid can get formal job
- Improvement in family income
3. Research Questions

- What is the impact of the student aid program in improving the probability of poor students applying to HEI?
- What is the impact of the student aid program in improving the enrollment rate of poor student?
- What is the impact of the student aid program in increasing the percentage poor students that graduated and graduated on time?
- What is the impact of the student aid program in increasing the percentage of poor students to get a formal job?
4. Impact Evaluation Design (1)

Methodology: **Regression Discontinuity Design**

A. Describe the intervention in the:
   - **Treatment:** poor student that receive the student aid program.
   - **Control:** poor student who applied the student aid program but did not receive it.

Y = Number of student enrolled.
   Number of student graduated.
   Number of student graduated on time.

Cut-off: income level and academic grade

Variable that is taken into consideration:
- Demographic variable: parent background, gender, number of sibling, gender of family head, orphan
- Highschool status (public / private)
4. Impact Evaluation Design (2)

B. Describe the sample size

- Using stratified random sample to select higher education institution (HEI) from different regions of Indonesia. For example: there are 100 HEI that have student aid beneficiaries, 10 HEI will be taken from each region. Then, do randomization selection of treatment and control group within those 30 HEI.

- **Treatment**: students that just below the max. quota point. The sample size depends on the number of poor students in university.

- **Control**: students that just above the max. quota point. The sample size depends on the number of poor students in university.

C. Describe the program assignment rule:
5. Data Collection

A. List program indicators to be collected:
   1) Student characteristic data, such as parent background, gender, number of sibling, gender of family head, orphan (for RDD).
   2) Student enrolment rate data.
   3) Student completion rate data (graduated on time or not).

B. Method of data collection:
   – Administrative data from Directorate General of Higher Education (DGHE) and Higher Education Institution (HEI).
   – Survey for control group that out of education system.

C. Frequency of data collection:
   – Once, for the survey.

D. Who will collect the data:
   – DGHE and the evaluation team.
BIDIKMISI Beneficiary
BIDIKMISI Beneficiaries:
International Math Olympiad, Bulgaria 2013

Muh. Ardyanshah (UGM)
Ni Luh Dewi Sintiar (Undiksha)

Yoshua Yonathan Hamonangan (UI) Second Prize/Silver