The application of Disability-Inclusive Disaster Resilience tool (DIDR tool)

Data collection

Field research

14 teams of DPOs & village volunteers underwent training on DIDR tool (classroom session; role play; In-situ practice & field pilot)

Tool refinement

Refinement of the tool based on feedback from capacity building activity

Sample

Interview with nearly 200 people with disability or carer in Bantul, Klaten, Ciamis and Mentawai Islands

Data analysis

1st step

Cross-match the respondents in age range 18-60 years on the DIDR Tool with those who completed a survey in 2014 by ASB Indonesia with DPOs and cadres.

191 potential respondents

17 reported having “no difficulty” in all six functioning domains on the Washington Group questions. These 17 were excluded from the analysis; classified as not having disability

Final sample

The final sample size was 173

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Findings from field research (1)

Socio-demographic characteristics

**MARITAL STATUS**
- Married 32%
- Not Married 56%
- Widowed 7%

**GENDER**
- Female 41%
- Male 59%

**AGE CATEGORY**
- 18-30 years old 26%
- 31-49 years old 41%
- 50-60 years old 33%

**MARITAL STATUS**
- Marital Status of respondents:
  - Married 32%
  - Not Married 56%
  - Widowed 7%

**GENDER**
- Gender distribution:
  - Female 41%
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**AGE CATEGORY**
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**Socio-demographic characteristics**

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**EDUCATION LEVEL**
- Did not answer 3%
- Completed junior high school or higher* 16%
- Completed elementary school 18%
- Never attended school 28%
- Did not answer 35%

<table>
<thead>
<tr>
<th>Functioning Capacity</th>
<th>No difficulty</th>
<th>Some difficulty</th>
<th>A lot of difficulty</th>
<th>Can not do at all</th>
<th>Did not answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall</td>
<td>15%</td>
<td>57%</td>
<td>28%</td>
<td>1%</td>
<td></td>
</tr>
<tr>
<td>Communicating</td>
<td>49%</td>
<td>14%</td>
<td>26%</td>
<td>10%</td>
<td>1%</td>
</tr>
<tr>
<td>Self-care</td>
<td>72%</td>
<td>8%</td>
<td>9%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remembering/concentrating</td>
<td>47%</td>
<td>12%</td>
<td>34%</td>
<td>6%</td>
<td>2%</td>
</tr>
<tr>
<td>Mobility</td>
<td>54%</td>
<td>12%</td>
<td>23%</td>
<td>12%</td>
<td></td>
</tr>
<tr>
<td>Hearing</td>
<td>76%</td>
<td>12%</td>
<td>9%</td>
<td>4%</td>
<td>1%</td>
</tr>
<tr>
<td>Vision</td>
<td>76%</td>
<td>12%</td>
<td>8%</td>
<td>5%</td>
<td></td>
</tr>
</tbody>
</table>

*Includes participants who have completed senior high school or university

**DAILY ACTIVITY**
- At home 59%
- Working 38%
- Attending school 2%
- Did not answer 1%

**FUNCTIONING CAPACITY**
- Overall analysis row provides information on the highest difficulty that respondents experienced across the six domains:
  - 15% had some difficulty
  - 57% a lot of difficulty
  - 28% unable to do at all

**PARTICIPATION IN THE COMMUNITY**
- Participation on Simplified Participation Scale:
  - Lower 21% (n=33)
  - Higher 55% (n=97)

PREPAREDNESS AND PERCEPTION OF NATURAL HAZARD EMERGENCIES

Natural hazard most worried about
- Volcano eruption
- Earthquake
- Tsunami
- Storm
- Drought
- River flood
- Not worried

Emergency kit ready, plan prepared, and knowledge of emergency service provider
- Household emergency plan ready?
  - Yes: 27%
  - No: 56%
  - I don’t know: 17%
- Emergency kit ready?
  - Yes: 45%
  - No: 35%
  - I don’t know: 9%
- Awareness of the existence of emergency service provider
  - Yes: 20%
  - No: 10%
  - I don’t know: 70%

Lived experience of natural hazard emergencies in last 10 years*
Which natural hazard emergency affected you most?
- Earthquake: 53%
- Volcano eruption: 43%
- Storm: 2%
- Tsunami: 1%
- Did not answer: 1%

With regard to the natural hazard emergency that affected you the most, your disability was...
- Not affected by the hazard: 87%
- Caused by the hazard: 3%
- Made worse by the hazard: 9%
- Did not answer: 1%

*80% (138 respondents had experienced a natural hazard emergency in the last 10 years). Analysis in this section thus relates to these 138 respondents.

Findings from field research (2)

Did you:
- Go to emergency shelter: Yes: 62%, No: 35%, No answer: 4%
- Receive any emergency message about it: Yes: 33%, No: 56%, No answer: 11%
- Already have your house prepared to resist it: Yes: 5%, No: 89%, No answer: 6%
- Already have an emergency kit prepared: Yes: 3%, No: 89%, No answer: 8%
- Already have an emergency plan prepared: Yes: 2%, No: 88%, No answer: 9%
Resilience profile (n=173)

There is no significant statistical difference by gender in the resilience profile.

Completion of interview by the person with disability (dark orange above) is significantly associated with higher resilience (p<0.001).

There is no significant difference by age in the resilience profile.

Completion of elementary school is significantly associated with higher resilience (p<0.05).

Participation in DRR activities is also significantly associated with higher resilience (p<0.05).