Earthquake Disaster Response Preparation for Schoolchildren in Metropolitan Bandung, Indonesia

Neneng Fenti FATIMAH
Mohammad Adietyarahman Sulistio ARDJO
Astri Aulia SAFRIANTY
(8389)

Presented at the FIG Working Week 2016, May 2-6, 2016 in Christchurch, New Zealand
About 24% of our population is within the school-age (BPS, 2014).

Children and teenagers are future successors of the community.

They are easier to absorb education/ training.

Also the most sensitive to get traumatic after a disaster.
BANDUNG as the Context

Night-lights imagery by NASA's Earth Observatory

Metropolitan Area with population of 5.7 million lives
(2010, National Census)
The Lembang Fault

- Lies 22 Km long on northern part of Bandung
- There’s evidence of a 6.8 Ricter scale quake 2000 years back, a 6.6 Richter scale 500 years back
- Even a small quake is dangerous, because epicentrum is shallow and less than 15 Km away
Disaster Preparedness Parameters

- Knowledge
- Early Warning System
- Emergency Response
- Resources Mobilisation
**SURVEY RESULT**

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<th>Parameters</th>
<th>Pre-Test</th>
<th>Post-Test</th>
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<tbody>
<tr>
<td>KNOWLEDGE</td>
<td>prepared</td>
<td>very prepared</td>
</tr>
<tr>
<td>EARLY WARNING SYSTEM</td>
<td>almost prepared</td>
<td>prepared</td>
</tr>
<tr>
<td>EMERGENCY RESPONSE</td>
<td>almost prepared</td>
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<tr>
<td>RESOURCES MOBILISATION</td>
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<td>very prepared</td>
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**Scale**
- 1. Very Prepared
- 2. Prepared
- 3. Almost Prepared
- 4. Not Prepared

**Sampling**
- n = 154
- purposive sampling
- using controlled group
- aged around 16 yo
What we learned...

• We are more prepared than we thought... in terms of Knowledge, but any preparation is a lot better than nothing

• How to really Respond when the actual event happens is almost a different thing

• We need a completely different approach in preparing children

• Simulation through games are more effective than classroom
Further Discussion & Development

• Widening sampling respondents
• More concepts & methods of preparation for children
• Colaboration acts