FAST HOME MODEL AB6 (6 hours, less 6 (00) $, by 6 refugees)

FAST, EASY, CHEAP, GROW, EARTHQUAKE RESIST HOME FOR THE REFUGEES.

BUDI LAKSONO

MEDICAL DOCTOR – UNDIP, MASTER OF HEALTH SCIENCE – QUT, DOCTOR OF MEDICAL SCIENCE - UNDIP
(SEMARANG - RED CROSS VOLUNTEER, LECTURER OF CENTRLJAVE PROVINCE NURSING ACADEMY, PRESIDENT ROTARY CLUB SEMARANG, 3420.)
• **INDONESIA** INCLUDED THE ISLAND THAT DEVELOPED BY THE PLATE THAT MOVED ONE ANOTHER
• HENCE IN THE HIGH RISK OF TECTONIC AND VOLCANIC DISASTER.
• NOW, GROW WITH 250 MILLIONS PEOPLE → INCREASE THE RISK BECOME A DISASTER.
• MOREOVER, THE PEOPLE LIVE IN THE FERTILE AREA THAT IN THE RISK OF DISASTER..
MERAPI IN CENTRAL JAVA
EARTHQUAKE AND TSUNAMI
THE IMPACT

• DIRECT
• INDIRECT
  – SAVE MANAGEMENT
  – MEDICATION
  – INFECTION
EMERGENCY HOUSE

• DULU SRG DIANGAP PROGRAM REHABILITASI SETELAH 6 BULAN
• PASCA TENDA DAN BARAK.
• PADA DASARNYA RUMAH SEMAKIN CEPAT SEMAKIN BAIK.
• KEKURANGAN PEMBUATAN RUMAH ADALAH LAMA, MAKAN TENAGA BANYAK, DANA BANYAK DLL
• Google translate ...
• BEFORE SRG WAS RECOGNIZED A REHABILITATION PROGRAM AFTER 6 MONTHS
• POST TENTS AND BARK.
• BASICLY THE HOUSE IS SO FASTER.
• LACK OF HOUSE MAKING IS LONG, EAT MANY MANY, MANY FUNDS ETC
WOMEN AND CHILDREN IN DISASTER

• KORBAN PERTAMA DAN UTAMA
• TERSINGKIRKAN DALAM PELAYANAN DAN KEGOTONG ROYONGAN
• TERABAIKAN DALAM PERLINDUNGAN THD RESIKO PELECEHAN
• PADAHAL POTENSI DAN PERANNYA SANGAT BESAR DALAM BENCANA
  – KESEHATAN -- PELAYANAN
  – PENYEDIAAN MAKANAN
  – PENCEGEHAN PENYAKIT PASCA BENCANA
• Google translate ...
• FIRST AND MAIN VICTIMS
• REMOVED IN ROYONGAN SERVICES AND CLEANERS
• IGNORED IN PROTECTION OF THD RISK
• EXPOSURE TO POTENTIAL AND THE ROLE IS VERY BIG IN DISASTER
  – HEALTH - SERVICE
  – FOOD PROVISION
  – POST DISASTER DISEASE PREVENTION
PEOPLE NEED: HEALTH (ACEH 2004)
PEOPLE NEED : HEALTH

JOGJA 2006
PEOPLE NEED : FOOD
PEOPLE NEED : HOME
Preparedness Plan

Contingency Plan

Operational Plan

Rehabilitation Plan

Mitigation Plan

Risk Reduction Plan

Early warning and Risk assessment

Rapid Assessment

Operational Plan

Lessons learned

Re/Development Plan

Preparedness Plan

Rapid Assessment

EMERGENCY

Preparedness

Response

Preparedness

RESPONSE

Rapid Assessment

Rapid Assessment

Rapid Assessment
“OLD” MODERN PARADIGM EFFORT OF HOME FOR REFUGEES

- TEND (1 WEEK - 12 WEEKS)
- SHELTER (COMMUNAL) (12 WEEKS – 1 YEAR)
- HOME (AFTER 2 YEAR).
THE FACT IN ACEH

• AFTER A YEAR OF TSUNAMI
### WHAT PROBLEM OF HOME TO BUILD A HOME

- EXPENSIVE
- NO CARPENTER
- NO MATERIALS
- NO TIME

### ADVANTAGES HOME

- START THEIR SOCIAL LIFE
- START THEIR ECONOMIC
- START THEIR HAPPINESS
- REBUILD THEIR FAMILY
FAST, EASY, CHEAP, SELF DEV HOME

• 6 HOURS TO BUILD
• LESS : 6 (00) $
• REFFUGES SELF DEVELOPMENT
• LOCAL MATERIAL.

AB 6 HOME
ANSHARI AND BUDI HOME, BUILT UNDER “6”
HOW TO MAKE:
STEP 1
CREATING THE WALLS

(1) First hour. Creating the walls
STEP 2: ERECTING THE WALLS
ERECTING AND CONNECTING THE WALLS
STEP 3. COVER WITH THE FRONT AND BEHIND WALLS

(3) Third Hour. Connecting both walls and covering the front with the wood.
STEP 4. COVER WITH ROOF AND FLOORING

(4) Fourth Hour. 2 people install the wall properly; 2-3 people install the galvanized zinc; 2 people make the floor.
STEP 5. MAKE THE DOORS AND WINDOW
STEP 6. FINISHING
HOURS 6
EXAMPLE HOME
The construction materials are:

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>wood 7 x 7 cm (5m)</td>
<td>3 pieces</td>
<td>Rp. 50.000 = Rp. 150.000</td>
</tr>
<tr>
<td>wood 7 x 5 x 5 mt</td>
<td>15 pieces</td>
<td>Rp. 45.000 = Rp. 675.000</td>
</tr>
<tr>
<td>wood 7 x 5 x 4 mt</td>
<td>12 pieces</td>
<td>Rp. 35.000 = Rp. 420.000</td>
</tr>
<tr>
<td>wood 2 x 20 x 2 mt</td>
<td>140 pieces</td>
<td>Rp. 10.000 = Rp. 1.400.000</td>
</tr>
<tr>
<td>zinc 3.2 m</td>
<td>14 pieces</td>
<td>Rp. 60.000 = Rp. 840.000</td>
</tr>
<tr>
<td>zinc 2.0 m</td>
<td>7 pcs</td>
<td>Rp. 35.000 = Rp. 245.000</td>
</tr>
<tr>
<td>Cement 4 sacks</td>
<td></td>
<td>Rp. 40.000 = Rp. 160.000</td>
</tr>
<tr>
<td>Sand 1 m³</td>
<td></td>
<td>Rp. 150.000 = Rp. 150.000</td>
</tr>
<tr>
<td>Nails 4 Kg</td>
<td></td>
<td>Rp. 9000 = Rp. 36.000</td>
</tr>
<tr>
<td>Doors 2 pieces</td>
<td></td>
<td>Rp. 350.000 = Rp. 700.000</td>
</tr>
<tr>
<td>Window 2 pieces</td>
<td></td>
<td>Rp. 200.000 = Rp. 400.000</td>
</tr>
<tr>
<td>Small pieces other 1 packet</td>
<td></td>
<td>Rp. 250.000 = Rp. 250.000</td>
</tr>
</tbody>
</table>

Total: Rp. 5,426.000
AUSTRALIA AND INDONESIA DISASTER

• LAST WEEK, ONCE AGAIN ACEH AFFECTED BY EARTHQUAKE, NOW 230 HOUSES BROKEN.

• NEWS TODAY: AUSTRALIA SUPORT 2200 TEND FOR ACEH DISASTER.
REFERENCES

• IFRC.(2009) Shelter in DisasterResponse.
• Dinanath Bhandari, Yuwan Malakar and Ben Murphy. Understanding Disaster Management in Practice: with reference to Nepal. Kathmandu, Nepal: Practical Action. 2010
OTHER INVENTION PROPOSED
Stasiun air minum mini mini bergerak
BED APUNG KELUARGA
FAMILY BED BOAT
AMPHIBIAN LATRINE
DISPOSAL AMPHIBIAN LATRINE BY BUDI
TSUNAMI HILL PATH WAY
TRADITIONAL ALARM SYSTEM