

**FAST HOME MODEL AB6  
(6 hours, less 6 (00) \$, by 6  
refuges)**

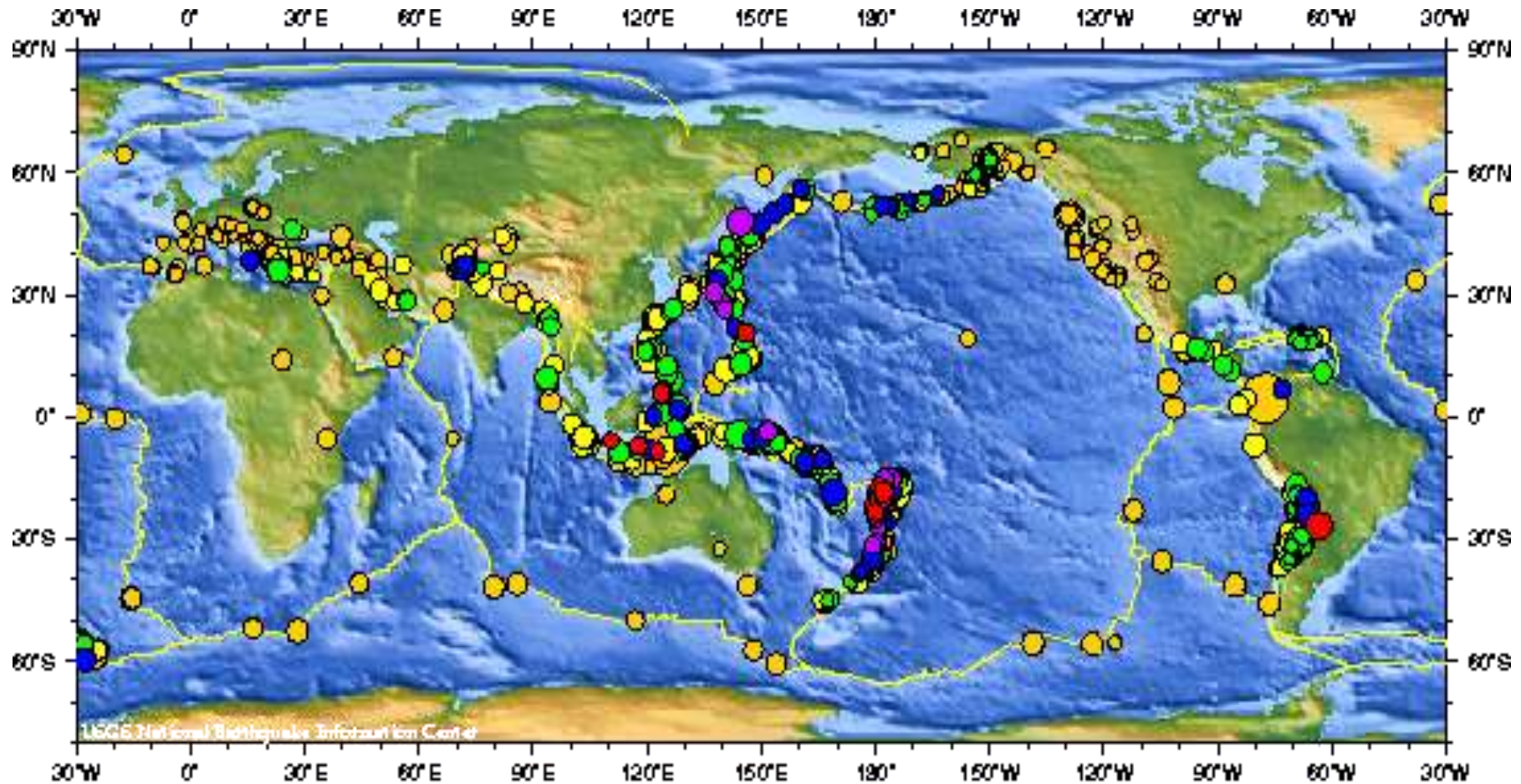
**FAST, EASY, CHEAP, GROW,  
EARTHQUAKE RESIST HOME FOR  
THE REFUGEES.**

BUDI LAKSONO

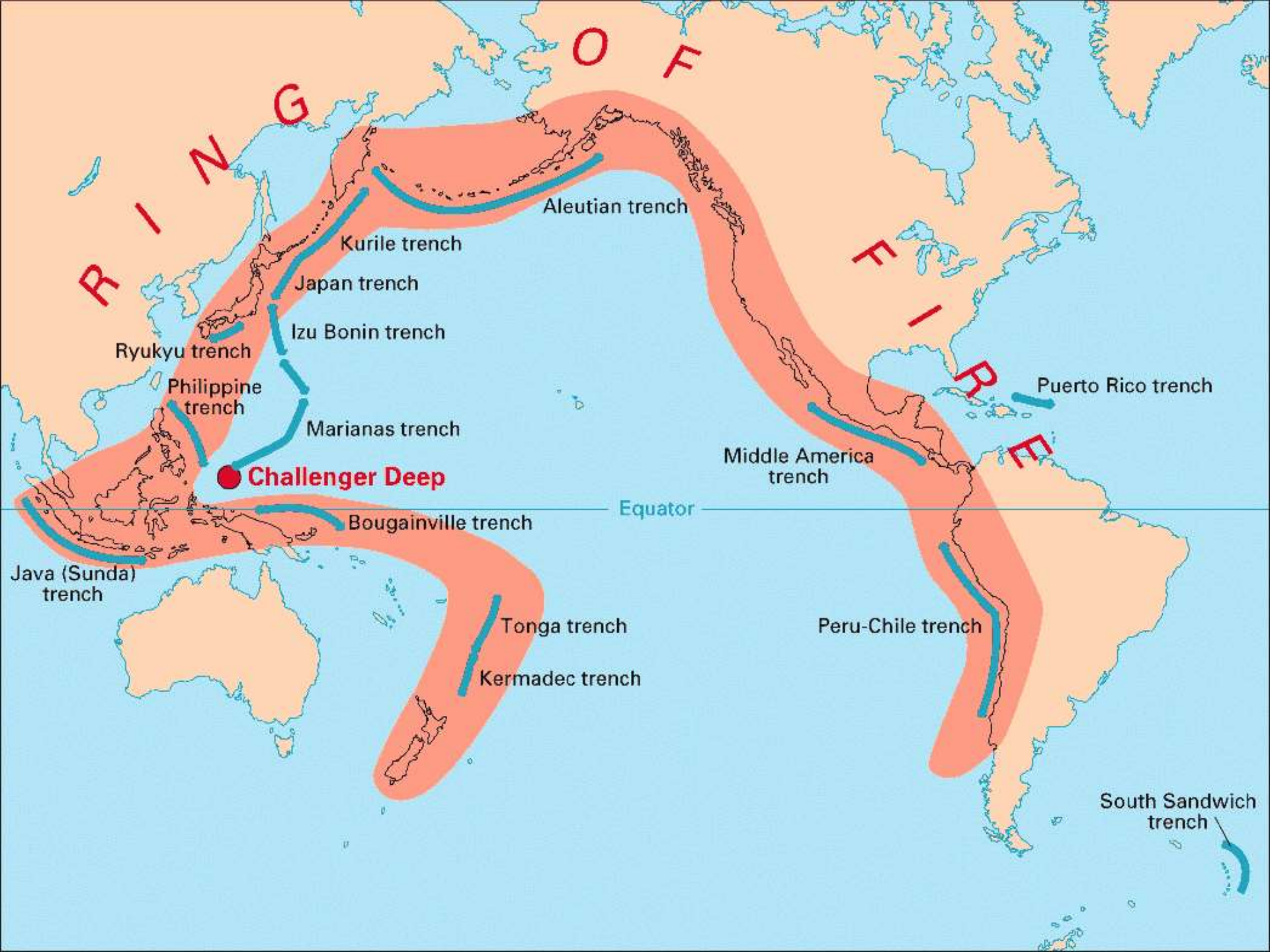
MEDICAL DOCTOR – UNDIP, MASTER OF HEALTH SCIENCE –  
QUT, DOCTOR OF MEDICAL SCIENCE - UNDIP

(SEMARANG - RED CROSS VOLUNTEER, LECTURER OF  
CENTRLJAVE PROVINCE NURSING ACADEMY, PRESIDENT  
ROTARY CLUB SEMARANG, 3420.

# EARTH DEVELOPMENT



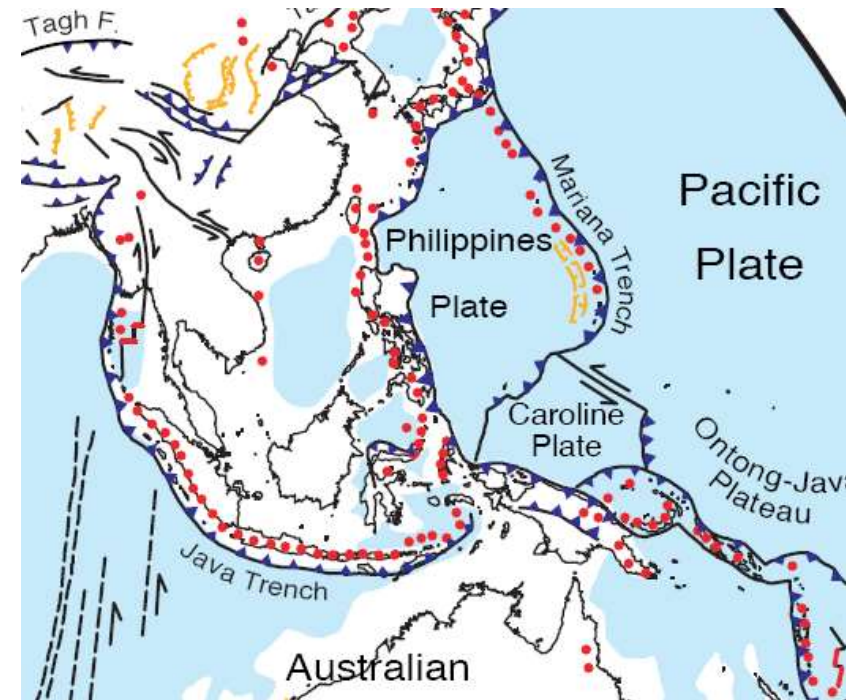
Depth in km





# INDONESIA

- 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..



# VULCANIC DISASTER



# MERAPI IN CENTRL 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)



03.2005 08:36

03-05-2005 07:55



# PEOPLE NEED : HEALTH



JOGJA 2006

# PEOPLE NEED : FOOD





# PEOPLE NEED : HOME

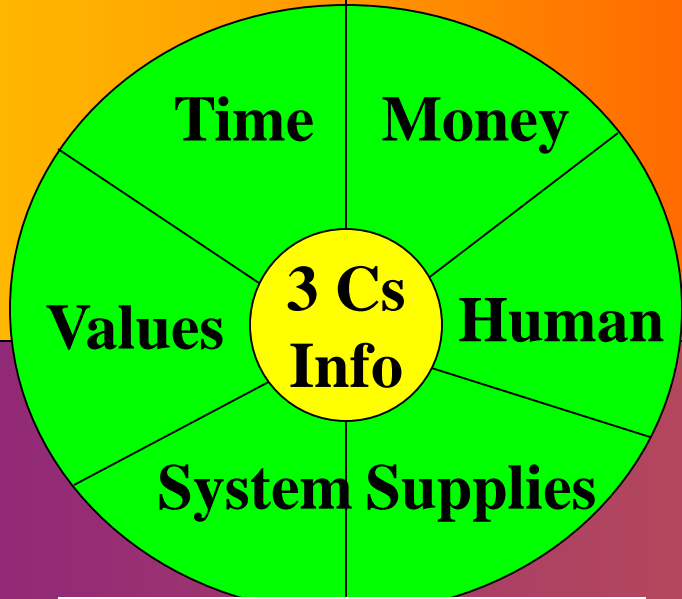




**PREPAREDNESS**

**RESPONSE**

**EMERGENCY**



*Rapid Assessment*

Contingency Plan

Operational Plan

*Early warning and Risk assessment*

*Review*

*Lessons learned*

Preparedness Plan

Rehabilitation Plan

Mitigation Plan

Re/Development Plan

*Hazard evaluation*

Risk Reduction Plan

**MITIGATION**

**REHABILITATION**

# “OLD” MODERN PARADIGM EFFORT OF HOME FOR REFFUGES

- 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**

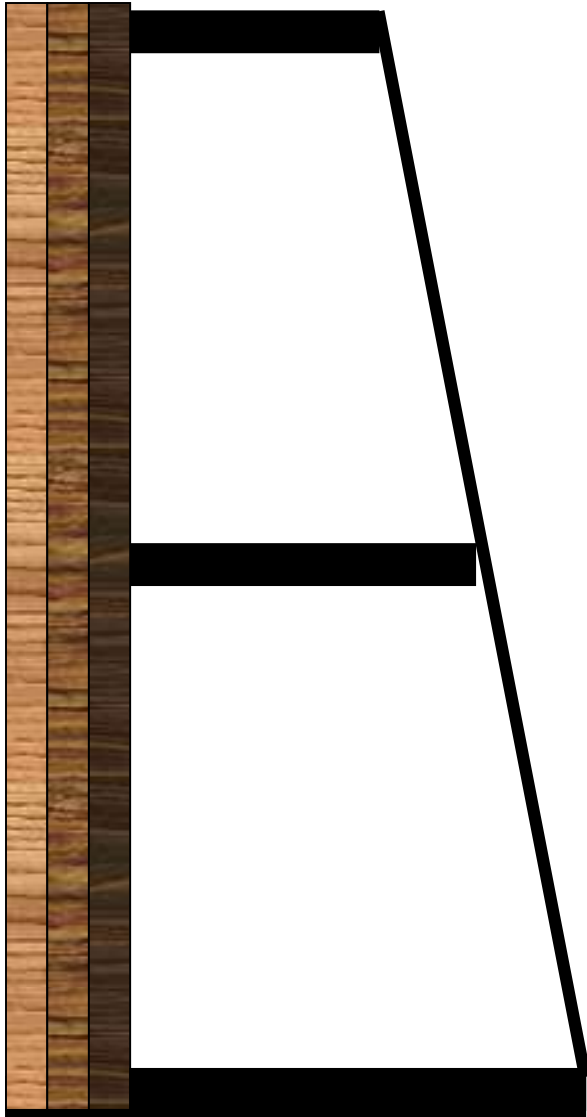
# FAST, EASY, CHEAP, SELF DEV HOME

- 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



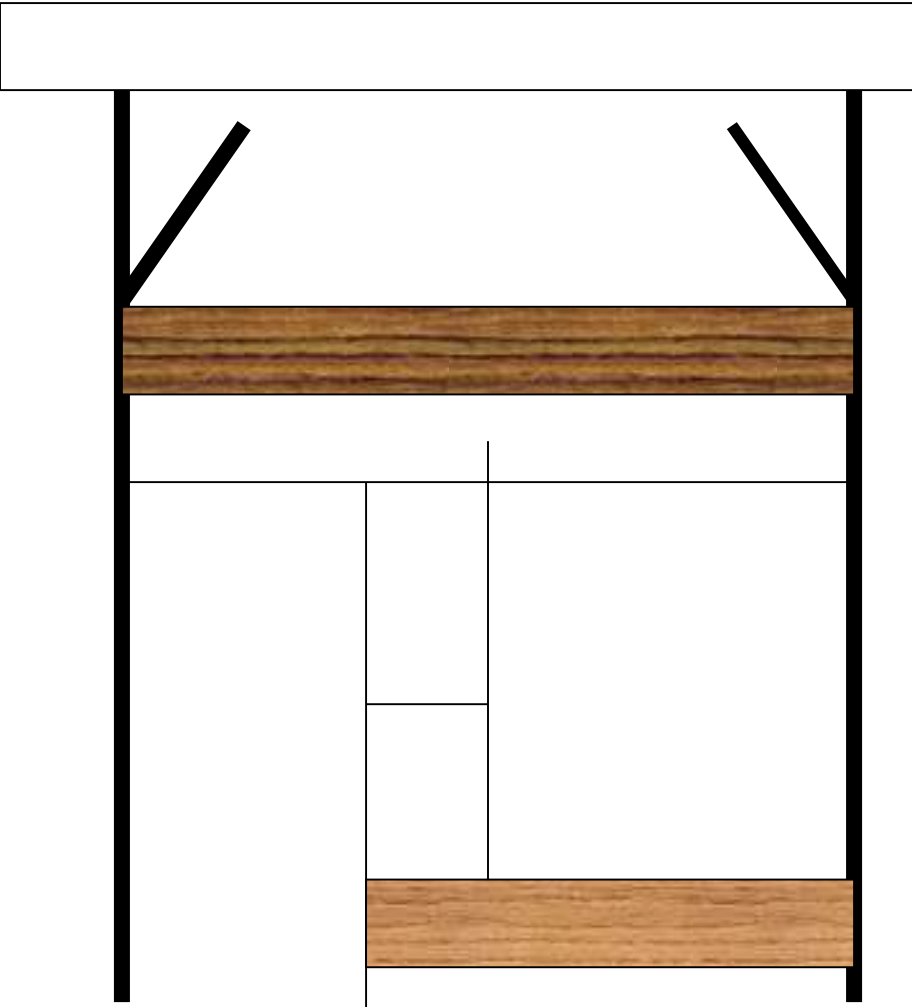
# CREATING THE WALLS

(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







JAM KE-5



JAM KE 5-6



# EXAMPLE HOME



# BUDGET

The construction materials are:

<u>Item</u>			<u>Cost</u>
1. wood 7 x 7cm(5m) = 3 pieces	a Rp. 50.000	= Rp.	150.000.
2. wood 7 x 5x 5mt = 15 pieces	a Rp 45.000	= Rp.	675.000.
3. wood 7 x 5 x 4 mt = 12 pieces	a Rp 35.000	= Rp.	420.000.
4. wood 2 x 20 x 2 mt= 140 pieces	a Rp 10.000	= Rp.	1.400.000.
5. zinc 3.2 m = 14pieces	a Rp 60.000	= Rp.	840.000.
6. zinc 2.0 m = 7 pcs	a Rp. 35.000	= Rp.	245.000.
7. Cement4sacks =	a Rp 40.000	= Rp.	160.000.
8. Sand1 m <sup>3</sup> =	a Rp 150.000	= Rp.	150.000.
9. Nails 4 Kg =	a Rp 9000	= Rp.	36.000.
10. Doors 2 pieces =	a Rp. 350.000	= Rp.	700.000.
11. Window 2 pieces =	a Rp. 200.000	= Rp.	400.000.
12. Small pieces other 1 packet	Rp. 250.000	= Rp.	250.000.
			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

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# OTHER INVENTION PROPOSED



# Stasiun air minum mini bergerak



# BED APUNG KELUARGA

## FAMILY BED BOAT





# AMPHIBIAN LATRINE





# DISPOSAL AMPHIBIAN LATRINE BY BUDI





# TSUNAMI HILL PATH WAY



# TRADITIONAL ALARM SYSTEM

