

# ACTIVITY REPORT



November  
2011

## Early Warning System and Evacuation Simulation



YAYASAN PENGABDI MASYARAKAT (YPM)

in cooperation with

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

## PREFACE

Our thanks and gratitude to Almighty God for blessing us with health in our daily life and activities.

This activity report details the evacuation simulation carried out according to the Standard Operation Procedure (SOP) in the Banjir Bandang Early Warning System at the Kalijompo Watershed. The simulation is organized by Yayasan Pengabdi Masyarakat (YPM), Jember, East Java, Indonesia, in cooperation with Japan International Cooperation Agency (JICA). The purpose is to train the community and stakeholders, especially the PBP Satlak (Implementation Unit) in the Jember Regency, in the implementation of the Kalijompo Watershed SOP. By learning to implement the SOP in real life, the community also learns to mitigate the effects of banjir bandang.

YPM wishes to thank Japan International Cooperation Agency (JICA) for their trust in YPM during the cooperation in organizing disaster management activities, especially in the Jember Regency.

Jember, November 2011  
Yayasan Pengabdi Masyarakat  
Director,

Dr. Evita Soliha Hani

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# INTRODUCTION

## Background

An Early Warning System (EWS) is the obligation to provide information on disaster threat predictions to the public prior to hazardous occurrences. The purpose of EWS is to warn the public, thus alerting and enabling them to take the measures appropriate to the condition, situation, and time. The main principle in EWS is to provide applicable steps that are fast, accurate, effective, acceptable, understandable, reliable, and sustainable. A well-implemented early warning system protects and saves the public from the threat of banjir bandang.

The early warning system is an effective key step in reducing the effects of disasters. The public should be aware of and familiar with the system and must be informed of detection results, especially when they live in flood-prone areas. Therefore, the warning system needs a standard operation procedure (SOP) in order to become more effective.

An early warning system is effective when it is well understood by the public, becomes a communal necessity, and raises the community's awareness of disasters. Thus the SOP must be realistic and credible in nature, conforming to the community's characteristics and needs.

The early warning system for the Kalijompo Watershed, Jember, is composed through several stages. The SOP is jointly composed by representatives from the Jember Satlak, Patrang Regency, Sukorambi Regency, Klungkung Village, Karang Pring Village, Gebang Poreng Village, Slawu Village, as well as the residents and community leaders, and the Kalijompo Plantation.

SOP implementation exercises are mandatory, and one of the forms of exercises is simulation. In simulations, real issues, situations or processes are acted out in real life. Simulations generally require conditions that represent the key characteristics or behaviors of the chosen physical or abstract system. Simulations can be used to show

the real-life effects of alternatives conditions and methods when the main system is out of action, inaccessible, risk-laden, unacceptable under certain circumstances, still being designed and not yet established, or non-existent. Through simulations, the public will gain a more comprehensive knowledge of the SOP and firsthand experience of the way the SOP works. Simulation trainings are a method to prepare the public against disasters, as simulations are replications of emergency situations and used to gauge the participants' reaction to real-life situations.

## Objectives

The objectives of the early warning system training and evacuation simulation are:

1. To provide estimations of the SOP implementation that are as close to the real circumstances as possible;
2. To provide an alternative design for operating the SOP, in order to increase public understanding of disaster management;
3. To facilitate the testing of SOP on disasters;
4. To provide facilities for studying the SOP in a shorter period and in more practical terms.

## Work Scope

Below are the activities in the evacuation simulation:

1. Creating a simulation scenario;
2. Coordinating the groups defined in the Kalijompo Watershed SOP for their involvement in the simulation;
3. Carrying out the simulation;
4. Documenting the simulation activities.

# IMPLEMENTATION METHODS

## Activities

Below is the list of activities in the simulation:

1. Composing a simulation scenario based on the Banjir Bandang EWS SOP for the Kalijompo Watershed;
2. Consulting with the staff at the Kalijompo Watershed;
3. Coordinating with the various groups to be involved in the simulation;
4. Briefing and providing the training scenario for the groups to be involved in the simulation;
5. Preparing the location and instruments for simulation;
6. Performing the initial training after the location and instruments have been prepared;
7. Performing the final training before the simulation;
8. Organizing the simulation;
9. Evaluating the simulation.



## Schedule

The above steps will be completed according to the following schedule.

Table 1 Work Schedule for the Early Warning System Exercise and Evacuation  
Simulation

Activity	Day	Time	Location
1. Composing a simulation scenario	Monday, October 17, 2011	-	YPM
2. Consulting with the staff at the Kalijompo Watershed	Tuesday, October 18, 2011	08.00-end	Bakesbang Linmas Jember, Sukorambi Regency, Klungkung Village, Kalijompo Plantation
3. Coordinating with various groups	Wednesday, October 19, 2011	09.00-end	Public Welfare Division, Jember
	Thursday, October 20, 2011	09.00-end	Klungkung, Karang Pring, Slawu & Gebang Poreng Villages; Sukorambi & Patrang Regencies
4. Briefing and providing the training scenario	Friday, October 21, 2011	13.00-end	Klungkung Village Hall
5. Preparing the location map and instruments	Saturday, October 22, 2011	08.00-12.00	Klungkung Village Square
6. Performing the initial training	Saturday, October 22, 2011	13.00-15.00	Klungkung Village Square
7. Performing the final training	Saturday, October 22, 2011	15.30-17.00	Klungkung Village Square
8. Organizing the simulation	Sunday, October 23, 2011	08.30-end (See schedule in Table 2 )	Klungkung Village Square
9. Evaluating the simulation	Sunday, October 23, 2011	At the end of the simulation	Klungkung Village Square

Table 2 Scenario for for the Early Warning System Exercise and Evacuation Simulation

Day	Time	Activity	Location	Persons in charge
Sunday, October 23, 2011	08.30-09.00	Preparation/ Registration	Klungkung Village Square	The committee (YPM)
	09.00-09.30	Opening ceremony	Klungkung Village Square	
		Preamble from YPM Director	Klungkung Village Square	Dr. Evita Soliha Hani
		Preamble from JICA	Klungkung Village Square	JICA Expert
		Preamble from Satlak PB	Klungkung Village Square	Asistant II or representative
	09.30-12.30	<b>Simulation</b>	Klungkung Village Square	Participants and YPM
	12.30-13.00	Evaluation of simulation	Klungkung Village Square	YPM and JICA
	13.00-end	Closing ceremony	Klungkung Village Square	The committee

# Location map

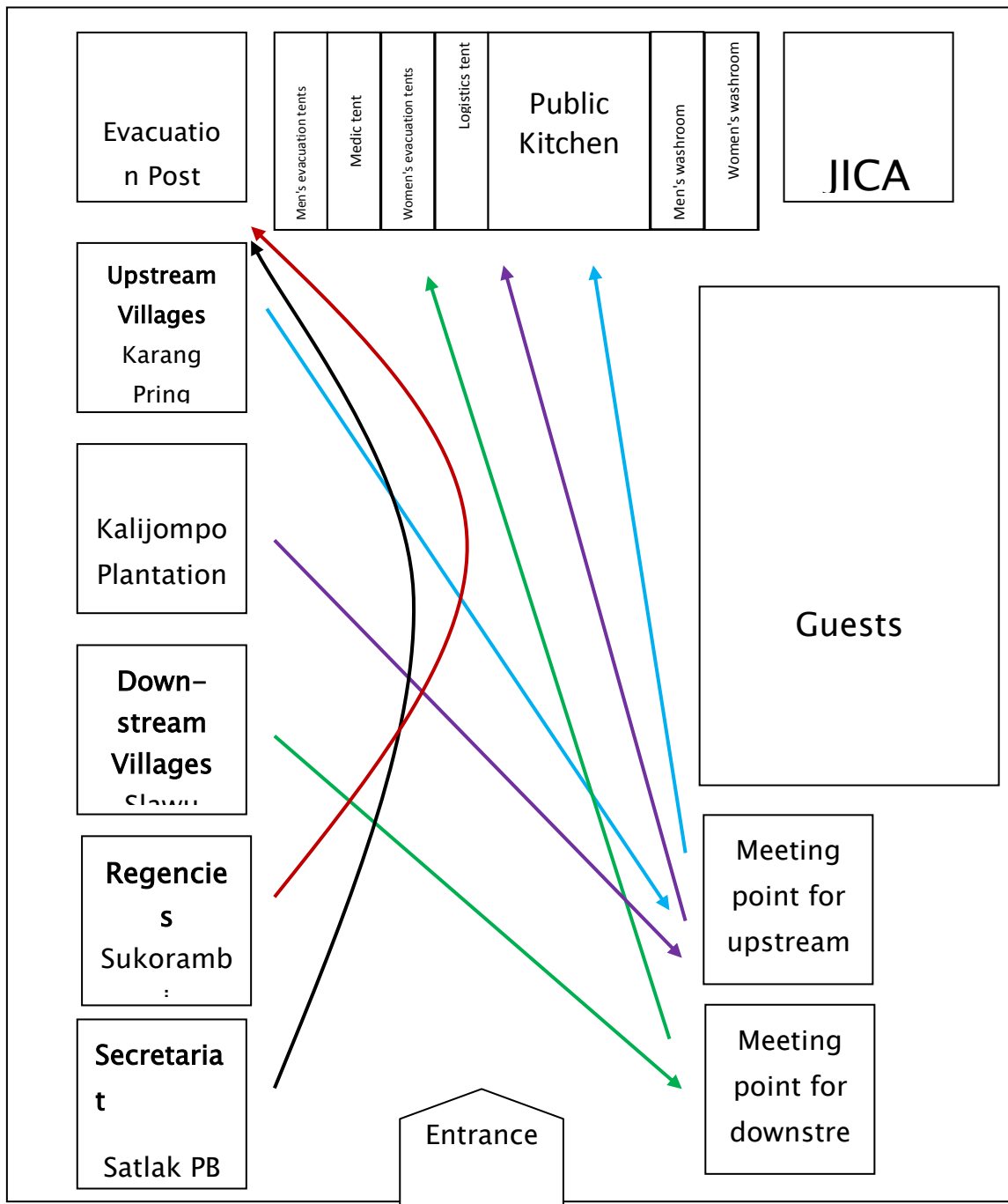


Figure 1 Simulation Location Plan in the Klungkung Village Square

# SCENARIO

A more detailed simulation scenario is shown on Table 3 below.

Table 3 Training Scenario for the Banjir Bandang Early Warning System and Evacuation Simulation

Condition	Scene	Setting	Description	Action	Time	Duration	Notes
<p><b>Normal-Alert</b></p> <ul style="list-style-type: none"> <li>- Rain: 30 mm/day</li> <li>- Water level: 100 cm</li> <li>- Fissure: 0</li> </ul>	1	Kalijompo Plantation	<ul style="list-style-type: none"> <li>- Normal weather, a little cloudy. A rainfall gauge equipped with a sensor to mark the water level, water level gauge, a fissure gauge; and communication devices (cell phones and walkie-talkies).</li> <li>- A drizzle falls and turns into rain. Mr. Agus observes that the rainfall reaches 30 mm/day and water level is 100 cm, thus the status of the Kalijompo Watershed is at <b>Level 1: Alert</b>.</li> </ul>	<ul style="list-style-type: none"> <li>- Mr. Agus monitors the weather and checks whether all the instruments function properly.</li> <li>- During rain, Mr. Agus monitors changes in the gauge levels more carefully and attentively</li> <li>- When the rainfall reaches 30 mm/day and water level 100 cm, Mr. Agus informs the Satlak, heads of the Klungkung and Karang Pring villages, the Sukorambi Regent, and heads of the Slawu and Gebang Poreng sub-districts of the Level 1: Alert status.</li> </ul>	09.30-09.35	5 minutes	<p>PIC: Ebban</p> <p>Instruments:</p> <ul style="list-style-type: none"> <li>- Rainfall gauge</li> <li>- Water level gauge</li> <li>- Fissure gauge</li> <li>- Cell phones</li> <li>- Walkie-talkies</li> </ul>

	2	Klungkung Village Hall	<ul style="list-style-type: none"> <li>- Normal condition, activities are carried out as usual.</li> <li>- The sky turns cloudy, a drizzle falls and turns into rain.</li> </ul>	<ul style="list-style-type: none"> <li>- Village officials are on standby and on alert.</li> <li>- Village officials check the communication devices.</li> <li>- <i>"Assalamualaikum, good morning to the head of the Klungkung village. Agus from the Kalijompo Plantation speaking. The rainfall has reached 30 mm and water level in the Kalijompo River is 100 cm. The Kalijompo Watershed's status is <b>banjir bandang alert</b>. Thank you. Assalamualaikum."</i></li> <li>- Reply from head of the village, <i>"Thank you, we copy. We will follow up on your information."</i></li> </ul>	09.35-09.40	5 minutes	PIC: Djoko Devices: <ul style="list-style-type: none"> <li>- Cell phones</li> <li>- Walkie-talkies</li> </ul>
	3	Karang Pring Village Hall (Upstream Village)	<ul style="list-style-type: none"> <li>- Normal condition, activities are carried out as usual.</li> <li>- The sky turns cloudy, a drizzle falls and turns into rain.</li> </ul>	<ul style="list-style-type: none"> <li>- Village officials are on standby and on alert.</li> <li>- Village officials check the communication devices.</li> <li>- <i>"Assalamualaikum, good morning to the head of the Karang Pring village. Agus from the Kalijompo Plantation speaking. The rainfall has reached 30 mm and water level in the Kalijompo River is 100 cm. The Kalijompo Watershed's status is <b>banjir bandang alert</b>. Thank you. Assalamualaikum."</i></li> <li>- Reply from head of the village, <i>"Thank you, we copy. We will follow up on your information."</i></li> </ul>	Idem	5 minutes	PIC: The committee Devices: <ul style="list-style-type: none"> <li>- Cell phones</li> <li>- Walkie-talkies</li> </ul>
Condition	Scene	Setting	Description	Action	Time	Duration	Notes
Normal-Alert	4	Sukorambi	<ul style="list-style-type: none"> <li>- Normal condition,</li> </ul>	<ul style="list-style-type: none"> <li>- Village officials are on standby</li> </ul>	Idem	5 minutes	PIC: The

<ul style="list-style-type: none"> <li>- Rain: 30 mm/day</li> <li>- Water level: 100 cm</li> <li>- Fissure: 0</li> </ul>		District	<ul style="list-style-type: none"> <li>activities are carried out as usual.</li> <li>- The sky turns cloudy, a drizzle falls and turns into rain.</li> </ul>	<ul style="list-style-type: none"> <li>and on alert.</li> <li>- Village officials check the communication devices.</li> <li>- <i>"Assalamualaikum, good morning to the head of the Sukorambi village. Agus from the Kalijompo Plantation speaking. The rainfall has reached 30 mm and water level in the Kalijompo River is 100 cm. The Kalijompo Watershed's status is <b>banjir bandang alert</b>. Thank you. Assalamualaikum."</i></li> <li>- Reply from head of the district, <i>"Thank you, we copy. We will follow up on your information."</i></li> </ul>			<ul style="list-style-type: none"> <li>committee</li> <li>Devices: <ul style="list-style-type: none"> <li>- Cell phones</li> <li>- Walkie-talkies</li> </ul> </li> </ul>
	5	Slawu Sub-District (Downstream Village)	<ul style="list-style-type: none"> <li>- Normal condition, activities are carried out as usual.</li> <li>- The sky turns cloudy, a drizzle falls and turns into rain.</li> </ul>	<ul style="list-style-type: none"> <li>- Village officials are on standby and on alert.</li> <li>- Village officials check the communication devices.</li> <li>- <i>"Assalamualaikum, good morning to the head of the Slawu village. Agus from the Kalijompo Plantation speaking. The rainfall has reached 30 mm and water level in the Kalijompo River is 100 cm. The Kalijompo Watershed's status is <b>banjir bandang alert</b>. Thank you. Assalamualaikum."</i></li> <li>- Reply from head of the sub-district, <i>"Thank you, we copy. We will follow up on your information."</i></li> </ul>	Idem	5 minutes	<ul style="list-style-type: none"> <li>PIC: The committee</li> <li>Devices: <ul style="list-style-type: none"> <li>- Cell phones</li> <li>- Walkie-talkies</li> </ul> </li> </ul>
	6	Gebang Poreng Sub-District	<ul style="list-style-type: none"> <li>- Normal condition, activities are carried out as usual.</li> </ul>	<ul style="list-style-type: none"> <li>- Village officials are on standby and on alert.</li> <li>- Village officials check the</li> </ul>	Idem	5 minutes	<ul style="list-style-type: none"> <li>PIC: The committee</li> <li>Devices:</li> </ul>

		(Downstream Village)	<ul style="list-style-type: none"> <li>- The sky turns cloudy, a drizzle falls and turns into rain.</li> </ul>	<ul style="list-style-type: none"> <li>- communication devices.</li> <li>- <i>"Assalamualaikum, good morning to the head of the Gebang Poreng village. Agus from the Kalijompo Plantation speaking. The rainfall has reached 30 mm and water level in the Kalijompo River is 100 cm. The Kalijompo Watershed's status is <b>banjir bandang alert</b>. Thank you. Assalamualaikum."</i></li> <li>- Reply from head of the sub-district, <i>"Thank you, we copy. We will follow up on your information."</i></li> </ul>			<ul style="list-style-type: none"> <li>- Cell phones</li> <li>- Walkie-talkies</li> </ul>
	7	Patrang District	<ul style="list-style-type: none"> <li>- Normal condition, activities are carried out as usual.</li> <li>- The sky turns cloudy, a drizzle falls and turns into rain.</li> </ul>	<ul style="list-style-type: none"> <li>- Village officials are on standby and on alert.</li> <li>- Village officials check the communication devices.</li> <li>- <i>"Assalamualaikum, good morning to the head of the Patrang village. Agus from the Kalijompo Plantation speaking. The rainfall has reached 30 mm and water level in the Kalijompo River is 100 cm. The Kalijompo Watershed's status is <b>banjir bandang alert</b>. Thank you. Assalamualaikum."</i></li> <li>- Reply from head of the district, <i>"Thank you, we copy. We will follow up on your information."</i></li> </ul>	Idem	5 minutes	PIC: The committee Devices: <ul style="list-style-type: none"> <li>- Cell phones</li> <li>- Walkie-talkies</li> </ul>
	8	Satlak PB Headquarters	<ul style="list-style-type: none"> <li>- Normal condition, activities are carried out as usual.</li> <li>- The sky turns cloudy, a drizzle falls and turns into rain.</li> </ul>	<ul style="list-style-type: none"> <li>- Satlak PB is on standby and on alert.</li> <li>- Satlak PB checks the communication devices.</li> <li>- <i>"Assalamualaikum, good morning to the Satlak PB"</i></li> </ul>	Idem	5 minutes	PIC: The committee Devices: <ul style="list-style-type: none"> <li>- Cell phones</li> <li>- Walkie-talkies</li> </ul>

Condition	Scene	Setting	Description	Action	Time	Duration	Notes
				<p>headquarters. Agus from the Kalijompo Plantation speaking. The rainfall has reached 30 mm and water level in the Kalijompo River is 100 cm. The Kalijompo Watershed's status is <b>banjir bandang alert</b>. Thank you. Assalamualaikum."</p> <p>– Reply from Satlak PB, "Thank you, we copy. We will follow up on your information."</p>			
<b>Status: Standby</b> – Rain: 60 mm/day – Water level: 120 cm – Fissure: 0	9	Kalijompo Plantation	<p>– The rain continues to fall. Mr. Agus observes that the rainfall reaches 60 mm/day and water level is 120 cm, thus the status of the Kalijompo Watershed is at <b>Level 2: Standby</b>.</p>	<p>– Mr. Agus observes the condition more attentively.</p> <p>– Mr. Agus sends information to relevant locations by way of walkie-talkies:  <i>Attention, to head of the Klungkung village, the rainfall has reached 60 mm and water level in the Kalijompo River is 120 cm. The Kalijompo Watershed's status is <b>standby for banjir bandang</b>. Thank you. Assalamualaikum."</i></p>	09.30-09.33	3 minutes	PIC: Ebban Devices: – Rainfall gauge – Water level – Fissure gauge – Cell phones – Walkie-talkies
	10	Klungkung Village Hall	<p>– The rain continues with no sign of stopping.</p> <p>– The sky over the Kalijompo Plantation grows darker.</p>	<p>– Head of the village answers the walkie-talkie.</p> <p>– Head of the village replies, "Thank you, we will follow up on the information."</p>	Idem	3 minutes	PIC: Djoko Devices: – Cell phones – Walkie-talkies
	11	Karang Pring Village Hall (Upstream)	<p>– The rain continues with no sign of</p>	<p>– Head of the sub-district answers the walkie-talkie.</p> <p>– Voice from the walkie-talkie:</p>	09.33-09.36	3 minutes	PIC: The committee



<b>Status:</b> <b>Standby</b> - Rain: 60 mm/day - Water level: 120 cm - Fissure: 0		Village)	stopping. - The sky over the Kalijompo Plantation grows darker.	<i>"Attention, to head of the Karang Pring village, the rainfall has reached 60 mm and water level in the Kalijompo River is 120 cm. The Kalijompo Watershed's status is <b>standby for banjir bandang</b>. Thank you. Assalamualaikum."</i> Head of the village replies, <i>"Thank you, we will follow up on the information."</i>			Devices: - Cell phones - Walkie-talkies
	12	Sukorambi District	- The rain continues with no sign of stopping. - The sky over the Kalijompo Plantation grows darker.	- Head of the district answers the walkie-talkie. - Voice from the walkie-talkie: <i>"Attention, to head of the Sukorambi District, the rainfall has reached 60 mm and water level in the Kalijompo River is 120 cm. The Kalijompo Watershed's status is <b>standby for banjir bandang</b>. Thank you. Assalamualaikum."</i> Head of the district replies, <i>"Thank you, we will follow up on the information."</i>	09.36-09.39	3 minutes	PIC: The committee Devices: - Cell phones - Walkie-talkies
	13	Slawu Sub-District (Downstream Village)	- The rain continues with no sign of stopping. - The sky over the Kalijompo Plantation grows darker.	- Head of the sub-district answers the walkie-talkie. - Voice from the walkie-talkie: <i>"Attention, to head of the Slawu Sub-District, the rainfall has reached 60 mm and water level in the Kalijompo River is 120 cm. The Kalijompo Watershed's status is <b>standby for banjir bandang</b>. Thank you. Assalamualaikum."</i> Head of the sub-district replies, <i>"Thank you, we will follow up on the information."</i>	09.39-09.41	3 minutes	PIC: The committee Devices: - Cell phones - Walkie-talkies

<b>Status:</b> <b>Standby</b> – Rain: 60 mm/day – Water level: 120 cm – Fissure: 0	14	Gebang Poreng Sub-District (Downstream Village)	<ul style="list-style-type: none"> <li>– The rain continues with no sign of stopping.</li> <li>– The sky over the Kalijompo Plantation grows darker.</li> </ul>	<ul style="list-style-type: none"> <li>– Head of the sub-district answers the walkie-talkie.</li> <li>– Voice from the walkie-talkie:  <i>"Attention, to head of the Gebang Poreng Sub-District, the rainfall has reached 60 mm and water level in the Kalijompo River is 120 cm. The Kalijompo Watershed's status is <b>standby for banjir bandang</b>. Thank you. Assalamualaikum."</i> </li> </ul> <p>Head of the sub-district replies,  <i>"Thank you, we will follow up on the information."</i></p>	09.41-09.44	3 minutes	PIC: The committee Devices: <ul style="list-style-type: none"> <li>– Cell phones</li> <li>– Walkie-talkies</li> </ul>
	15	Patrang District	<ul style="list-style-type: none"> <li>– The rain continues with no sign of stopping.</li> <li>– The sky over the Kalijompo Plantation grows darker.</li> </ul>	<ul style="list-style-type: none"> <li>– Head of the district answers the walkie-talkie.</li> <li>– Voice from the walkie-talkie:  <i>"Attention, to head of the Patrang District, the rainfall has reached 60 mm and water level in the Kalijompo River is 120 cm. The Kalijompo Watershed's status is <b>standby for banjir bandang</b>. Thank you. Assalamualaikum."</i> </li> </ul> <p>Head of the district replies, <i>"Thank you, we will follow up on the information."</i></p>	09.44-09.47	3 minutes	PIC: The committee Devices: <ul style="list-style-type: none"> <li>– Cell phones</li> <li>– Walkie-talkies</li> </ul>
	16	Satlak PB Headquarters, Jember Regency	<ul style="list-style-type: none"> <li>– The rain continues with no sign of stopping.</li> <li>– The sky over the Kalijompo Plantation grows darker.</li> </ul>	<ul style="list-style-type: none"> <li>– HQ staff answers the walkie-talkie.</li> <li>– Voice from the walkie-talkie:  <i>"Attention, to the Satlak PB Headquarters, the rainfall has reached 60 mm and water level in the Kalijompo River is 120 cm. The Kalijompo Watershed's status is</i> </li> </ul>	09.47-09.50	3 minutes	PIC: The committee Devices: <ul style="list-style-type: none"> <li>– Cell phones</li> <li>– Walkie-talkies</li> </ul>

Condition	Scene	Setting	Description	Action	Time	Duration	Notes
				<p><i>standby for banjir bandang. Thank you. Assalamualaikum.</i></p> <p>Satlak HQ replies, <i>"Thank you, we will follow up on the information."</i></p>			
<p><b>Status:</b> <b>Approaching Banjir Bandang</b></p> <ul style="list-style-type: none"> <li>- Rain: 60 mm/day</li> <li>- Water level: 120 cm</li> <li>- Fissure: 0</li> </ul>	17	Klungkung Village Hall	<ul style="list-style-type: none"> <li>- The rain continues with no sign of stopping.</li> <li>- Head of the Klungkung Village relays information from Mr. Agus to a community leader (Mr. Abdurrahman) and asks him to disseminate the information.</li> <li>- Mr Husin relays the information to the head of the Sukorambi District.</li> </ul>	<ul style="list-style-type: none"> <li>- Head of the Klungkung Village speaks to the walkie-talkie: <i>"Assalamualaikum, Mr. Abdurrahman, head of the Klungkung Village speaking. Mr. Agus from the Kalijompo Plantation informed me that the status of the Kalijompo Watershed is <b>approaching banjir bandang</b>. Please inform all residents, especially those residing near the river, to prepare for evacuation. Thank you, assalamualaikum."</i></li> <li>- <i>"Assalamualaikum, to the head of the District, head of the Klungkung Village speaking. Mr. Agus from the Kalijompo Plantation informed me that the status of the Kalijompo Watershed is <b>approaching banjir bandang</b>. Thank you, assalamualaikum."</i></li> <li>- Mr. Husin sounds the kentongan four times in a row</li> </ul>	<p>09.50-09.53</p> <p>09.53-09.56</p> <p>09.56-09.58</p>	<p>3 minutes</p> <p>3 minutes</p>	<p>PIC: Djoko</p> <p>Devices:</p> <ul style="list-style-type: none"> <li>- Cell phones</li> <li>- Walkie-talkies</li> <li>- Kentongan (bamboo/ wooden drum for sounding the alarm)</li> </ul>

			Mr. Husin sounds the kentongan to warn for flood.			2 minutes	
Condition	Scene	Setting	Description	Action	Time	Duration	Notes
<b>Status:</b> <b>Approaching Banjir Bandang</b> - Rain: 60 mm/day - Water level: 120 cm - Fissure: 0	18	Mosque/ Community Leader from Upstream	<ul style="list-style-type: none"> <li>People are arriving at the mosque although it is not yet prayer time. There is an announcement from the loudspeaker.</li> </ul>	<ul style="list-style-type: none"> <li>Mr. Abdurrahman enters the mosque, turns on the microphone, and speaks:  <i>"Assalamualaikum warahmatullahi wabarakatuh. Attention, all residents, the status of the Kalijompo Watershed is <b>approaching banjir bandang</b>. To all residents, please prepare for evacuation."</i> </li> </ul>	09.56-10.00	4 minutes	PIC: Mr. Imam Devices: <ul style="list-style-type: none"> <li>Megaphone</li> <li>Microphone</li> </ul>
	19	Head of the Karang Pring village	<ul style="list-style-type: none"> <li>The rain continues with no sign of stopping.</li> <li>Head of the Karang Pring Village relays the information from Mr. Agus to community leaders (Rahmatullah/ Nuryanto) and asks them to disseminate the information.</li> </ul>	<ul style="list-style-type: none"> <li>Head of the Karang Pring Village speaks to the walkie-talkie:  <i>"Assalamualaikum, Mr. Rahmatullah/Nuryanto, head of the Klungkung Village speaking. Mr. Agus from the Kalijompo Plantation informed me that the status of the Kalijompo Watershed is <b>approaching banjir bandang</b>. Please inform all residents, especially those residing near the river, to prepare for evacuation. Thank you, assalamualaikum."</i> </li> <li><i>"Assalamualaikum, to the head of the District, head of the Karang Pring Village speaking. Mr. Agus from the Kalijompo</i> </li> </ul>	10.00-10.03  10.03-10.06	3 minutes  3 minutes	

			relays the information to the head of the Sukorambi District.	<i>Plantation informed me that the status of the Kalijompo Watershed is <b>approaching banjir bandang</b>. Thank you, assalamualaikum."</i>			
	20	Karang Pring community leaders		– Karang Pring community leaders enter the mosque, turn on the microphone, and speak: <i>"Assalamualaikum warahmatullahi wabarakatuh. Attention, all residents, the status of the Kalijompo Watershed is <b>approaching banjir bandang</b>. To all residents, please prepare for evacuation."</i>	10.06-10.09	3 minutes	
	21	Head of the Slawu Sub-District	<ul style="list-style-type: none"> <li>– The rain continues with no sign of stopping.</li> <li>– Head of the Slawu Village relays the information from Mr. Agus to community leaders (Fathor/Ali) and asks them to disseminate the information.</li> <li>– Head of the Slawu Sub-District relays the information to the head of the Patrang District.</li> </ul>	<ul style="list-style-type: none"> <li>– Head of the Slawu Sub-District speaks to the walkie-talkie: <i>"Assalamualaikum, Mr. Fathor/Ali, head of the Slawu Village speaking. Mr. Agus from the Kalijompo Plantation informed me that the status of the Kalijompo Watershed is <b>approaching banjir bandang</b>. Please inform all residents, especially those residing near the river, to prepare for evacuation. Thank you, assalamualaikum."</i></li> <li>– <i>"Assalamualaikum, to the head of the District, head of the Slawu Village speaking. Mr. Agus from the Kalijompo Plantation informed me that the status of the Kalijompo Watershed is <b>approaching banjir bandang</b>. Thank you, assalamualaikum."</i></li> </ul>	<p>10.09-10.12</p> <p>10.12-10.14.</p>	<p>3 minutes</p> <p>2 minutes</p>	

	22	Slawu community leader	–	– Slawu community leaders enter the mosque, turn on the microphone, and speak: <i>"Assalamualaikum warahmatullahi wabarakatuh. Attention, all residents, the status of the Kalijompo Watershed is <b>approaching banjir bandang</b>. To all residents, please prepare for evacuation."</i>	10.14-10.17	3 minutes	
	23	Head of the Gebang Poreng Sub-District	<ul style="list-style-type: none"> <li>– The rain continues with no sign of stopping.</li> <li>– Head of the Gebang Poreng Sub-District relays the information from Mr. Agus to community leaders (Heri/Joko) and asks them to disseminate the information.</li> <li>– Head of the Gebang Poreng Sub-District relays the information to the head of the Patrang District.</li> </ul>	<ul style="list-style-type: none"> <li>– Head of the Gebang Poreng Sub-District speaks to the walkie-talkie: <i>"Assalamualaikum, Mr. Heri/Joko, head of the Gebang Poreng Village speaking. Mr. Agus from the Kalijompo Plantation informed me that the status of the Kalijompo Watershed is <b>approaching banjir bandang</b>. Please inform all residents, especially those residing near the river, to prepare for evacuation. Thank you, assalamualaikum."</i></li> <li>– <i>"Assalamualaikum, to the head of the District, head of the Gebang Poreng Sub-District speaking. Mr. Agus from the Kalijompo Plantation informed me that the status of the Kalijompo Watershed is <b>approaching banjir bandang</b>. Thank you, assalamualaikum."</i></li> </ul>	10.17.10.20  10.20-10.23	3 minutes  3 minutes	
<b>Condition</b>	<b>Scene</b>	<b>Setting</b>	<b>Description</b>	<b>Action</b>	<b>Time</b>	<b>Durastion</b>	<b>Notes</b>
	24	Gebang Poreng		– Gebang Poreng community leaders enter the mosque, turn	10.23-10.26	3 minutes	

		Community Leaders		on the microphone, and speak: <i>"Assalamualaikum warahmatullahi wabarakatuh. Attention, all residents, the status of the Kalijompo Watershed is <b>approaching banjir bandang</b>. To all residents, please prepare for evacuation."</i>			
<b>Status: Evacuation</b>  - Rain: 90 mm/day - Water level: 140 cm - Fissure: 2	25	Kalijompo Plantation	<ul style="list-style-type: none"> <li>- The rain continues with no sign of stopping. Mr. Agus observes that the rainfall reaches 90 mm/day and water level is 120 cm. There is a fissure of 2 mm/hour.</li> <li>- The status of the Kalijompo Watershed is at <b>Level 3: Evacuation.</b></li> </ul>	<ul style="list-style-type: none"> <li>- Mr. Agus monitors the condition more attentively.</li> <li>- Mr. Agus asks Mr. Idih and Mr. Sukardi to lead the residents toward the temporary safe points at the evacuation site by sounding the kentongan. <i>"Mr. Idih and Mr. Sukardi, please evacuate the residents and lead them to the safe points."</i></li> <li>- Mr. Agus sends information to relevant parties via walkie-talkies: <i>"Assalamualaikum, to the head of the Klungkung village, the rainfall has reached 90 mm and water level in the Kalijompo River is 140 cm, with a fissure of 2 mm/hour. The Kalijompo Watershed's status is <b>evacuation from banjir bandang</b>. Thank you."</i></li> </ul>	10.26-10.29	3 minutes	PIC: Ebban Devices: <ul style="list-style-type: none"> <li>- Rainfall gauge</li> <li>- Water level gauge</li> <li>- Fissure gauge</li> <li>- Cell phones</li> <li>- Walkie-talkies</li> </ul>
<b>Status: Evacuation</b>  - Rain: 90 mm/day - Water level: 140 cm	26	Klungkung Village Hall	<ul style="list-style-type: none"> <li>- The rain continues with no sign of stopping.</li> <li>- The sky over the Kalijompo Plantation grows darker.</li> </ul>	<ul style="list-style-type: none"> <li>- Head of the village answers the walkie-talkie.</li> </ul>	10.29-10.32	3 minutes	PIC: Djoko Device: <ul style="list-style-type: none"> <li>- Cell phones</li> <li>- Walkie-talkies</li> </ul>
	27	Karang Pring	<ul style="list-style-type: none"> <li>- The rain continues</li> </ul>	<ul style="list-style-type: none"> <li>- Head of the village answers the</li> </ul>	10.32-10.35	3 minutes	PIC: The

- Fissure: 2		Village Hall (Upstream Village)	<p>with no sign of stopping.</p> <ul style="list-style-type: none"> <li>- The sky over the Kalijompo Plantation grows darker.</li> </ul>	<p>walkie-talkie.</p> <ul style="list-style-type: none"> <li>- Voice from the walkie-talkie: <i>"Assalamualaikum, to the head of the Klungkung Village, the rainfall has reached 90 mm and water level in the Kalijompo River is 140 cm, with a fissure of 2 mm/hour. The Kalijompo Watershed's status is evacuation from banjir bandang. Thank you. Assalamualaikum."</i></li> </ul> <p><i>"Information received."</i></p>			<p>committee Device:</p> <ul style="list-style-type: none"> <li>- Cell phones</li> <li>- Walkie-talkies</li> </ul>
	28	Sukorambi District	<ul style="list-style-type: none"> <li>- The rain continues with no sign of stopping.</li> <li>- The sky over the Kalijompo Plantation grows darker.</li> </ul>	<ul style="list-style-type: none"> <li>- Head of the Sukorambi District answers the walkie-talkie.</li> <li>- Voice from the walkie-talkie: <i>"Assalamualaikum, to the head of the Sukorambi District, the rainfall has reached 90 mm and water level in the Kalijompo River is 140 cm, with a fissure of 2 mm/hour. The Kalijompo Watershed's status is evacuation from banjir bandang. Thank you. Assalamualaikum."</i></li> </ul>	10.35-10.38	3 minutes	<p>PIC: The committee</p> <p>Devices:</p> <ul style="list-style-type: none"> <li>- Cell phones</li> <li>- Walkie-talkies</li> </ul>



	29	Slawu Sub-District (Downstream Village)	<ul style="list-style-type: none"> <li>- The rain continues with no sign of stopping.</li> <li>- The sky over the Kalijompo Plantation grows darker.</li> </ul>	<ul style="list-style-type: none"> <li>- Head of the sub-district answers the walkie-talkie.</li> <li>- Voice from the walkie-talkie: <i>"Assalamualaikum, to the head of the Slawu Sub-District, the rainfall has reached 90 mm and water level in the Kalijompo River is 140 cm, with a fissure of 2 mm/hour. The Kalijompo Watershed's status is <b>evacuation from banjir bandang</b>. Thank you. Assalamualaikum."</i></li> </ul>	10.38-10.41	3 minutes	PIC: The committee Devices: <ul style="list-style-type: none"> <li>- Cell phones</li> <li>- Walkie-talkies</li> </ul>
<b>Status: Evacuation</b> - Rain: 90 mm/day - Water level: 140 cm - Fissure: 2	30	Gebang Poreng Sub-District (Downstream Village)	<ul style="list-style-type: none"> <li>- The rain continues with no sign of stopping.</li> <li>- The sky over the Kalijompo Plantation grows darker.</li> </ul>	<ul style="list-style-type: none"> <li>- Head of the sub-district answers the walkie-talkie.</li> <li>- Voice from the walkie-talkie: <i>"Assalamualaikum, to the head of the Gebang Poreng sub-district, the rainfall has reached 90 mm and water level in the Kalijompo River is 140 cm, with a fissure of 2 mm/hour. The Kalijompo Watershed's status is <b>evacuation from banjir bandang</b>. Thank you. Assalamualaikum."</i></li> </ul>	10.41-10.44	3 minutes	PIC: The committee Devices: <ul style="list-style-type: none"> <li>- Cell phones</li> <li>- Walkie-talkies</li> </ul>
	31	Patrang District	<ul style="list-style-type: none"> <li>- The rain continues with no sign of stopping.</li> <li>- The sky over the Kalijompo Plantation grows darker.</li> </ul>	<ul style="list-style-type: none"> <li>- Head of the district answers the walkie-talkie.</li> <li>- Voice from the walkie-talkie: <i>"Assalamualaikum, to the head of the Patrang District, the rainfall has reached 90 mm and water level in the Kalijompo River is 140 cm, with a fissure of 2 mm/hour. The Kalijompo Watershed's status is</i></li> </ul>	10.44-10.47	3 minutes	PIC: The committee Devices: <ul style="list-style-type: none"> <li>- Cell phones</li> <li>- Walkie-talkies</li> </ul>

				<i>evacuation from banjir bandang. Thank you. Assalamualaikum."</i>			
	32	Satlak PB Headquarters, Jember Regency	<ul style="list-style-type: none"> <li>- The rain continues with no sign of stopping.</li> <li>- The sky over the Kalijompo Plantation grows darker.</li> </ul>	<ul style="list-style-type: none"> <li>- HQ staff answers the walkie-talkie.</li> <li>- Voice from the walkie-talkie: <i>"Assalamualaikum, to the staff at the Satlak PB HQ, the rainfall has reached 90 mm and water level in the Kalijompo River is 140 cm, with a fissure of 2 mm/hour. The Kalijompo Watershed's status is evacuation from banjir bandang. Thank you. Assalamualaikum."</i></li> </ul>	10.47-10.50	3 minutes	PIC: The committee Devices: <ul style="list-style-type: none"> <li>- Cell phones</li> <li>- Walkie-talkies</li> </ul>
<b>Status: Evacuation</b> <ul style="list-style-type: none"> <li>- Rain: 90 mm/day</li> <li>- Water level: 140 cm</li> <li>- Fissure: 2</li> </ul>	33	Klungkung Village Hall	<ul style="list-style-type: none"> <li>- The rain continues with no sign of stopping.</li> <li>- Head of the Klungkung Village relays information from Mr. Agus to a community leader (Mr. Abdurrahman) and asks him to announce to the residents that the evacuation has begun.</li> </ul>	<ul style="list-style-type: none"> <li>- Head of the Klungkung Village speaks to the walkie-talkie:</li> <li>- <i>"Assalamualaikum, Mr. Abdurrahman, the head of the Klungkung village speaking. Mr. Agus from the Kalijompo Plantation informed me that the status of the Kalijompo Watershed is <b>evacuation from banjir bandang</b>. Please inform all residents, especially those residing near the river, to <b>start evacuating</b> toward the meeting point and leave together for the evacuation site. Thank you."</i></li> </ul>	10.50-10.55	5 minutes	PIC: Djoko Devices: <ul style="list-style-type: none"> <li>- Cell phones</li> <li>- Walkie-talkies</li> <li>- Kentongan</li> </ul>
				<ul style="list-style-type: none"> <li>- Mr. Husin relays the information to the head of the Sukorambi District.</li> </ul>	<ul style="list-style-type: none"> <li>- <i>"Assalamualaikum, to the head of the District, head of the Klungkung Village speaking. Mr. Agus from the Kalijompo Plantation informed me that the status of the Kalijompo Watershed is <b>evacuation from banjir bandang</b>. Thank you, assalamualaikum."</i></li> <li>- Mr. Husin sounds the</li> </ul>	10.55-10.58	

			<ul style="list-style-type: none"> <li>Mr. Husin sounds the kentongan to warn for flood</li> </ul>	kentongan four times in a row.	10.58-11.00	2 minutes	
Condition	Scene	Setting	Description	Action	Time	Duration	Notes
<b>Status: Evacuation</b> - Rain: 90 mm/day - Water level: 140 cm - Fissure: 2	34	Mosque/ Community Leader from Upstream	<ul style="list-style-type: none"> <li>People are arriving at the mosque although it is not yet prayer time. There is an announcement from the loudspeaker.</li> </ul>	<ul style="list-style-type: none"> <li>Mr. Abdurrahman is still at the mosque. He speaks into the microphone: <i>"Assalamualaikum warahmatullahi wabarakatuh. Attention, all residents, the status of the Kalijompo Watershed is <b>evacuation from banjir bandang</b>. Please inform all residents, especially those residing near the river, to <b>start evacuating</b> toward the meeting point and leave together for the evacuation site. Thank you, assalamualaikum."</i></li> </ul>	11.00-11.04	4 minutes	PIC: Mr. Imam Devices: <ul style="list-style-type: none"> <li>Megaphone</li> <li>Microphone</li> </ul>
	35	Karang Pring Village Hall	<ul style="list-style-type: none"> <li>The rain continues with no sign of stopping.</li> <li>Head of the Karang Pring Village relays information from Mr. Agus to a community leader (Mr. Abdurrahman) and</li> </ul>	<ul style="list-style-type: none"> <li>Head of the Karang Pring village speaks to the walkie-talkie: <i>"Assalamualaikum, head of the Karang Pring village speaking. Mr. Agus from the Kalijompo Plantation informed me that the status of the Kalijompo Watershed is <b>evacuation from</b></i></li> </ul>	11.04-11.08	4 minutes	

			<p>asks him to ask the residents to start evacuating.</p> <ul style="list-style-type: none"> <li>– Ms. Rita, head of the Karang Pring village, relays the information to the head of the Sukorambi District.</li> </ul>	<p><i><b>banjir bandang.</b> Please inform all residents, especially those residing near the river, to <b>start evacuating</b> toward the meeting point and leave together for the evacuation site. Thank you, assalamualaikum."</i></p> <ul style="list-style-type: none"> <li>– <i>"Assalamualaikum, to the head of the District, head of the Karang Pring Village speaking. Mr. Agus from the Kalijompo Plantation informed me that the status of the Kalijompo Watershed is <b>evacuation from banjir bandang.</b> Thank you, assalamualaikum."</i></li> </ul>			
36	Slawu Village Hall	<ul style="list-style-type: none"> <li>– The rain continues with no sign of stopping.</li> <li>– Head of the Slawu Sub-District relays information from Mr. Agus to community leaders and asks them to ask the residents to start evacuating.</li> </ul>	<ul style="list-style-type: none"> <li>– Head of the Slawu Village speaks to the walkie-talkie: <i>"Assalamualaikum, the head of the Slawu village speaking. Mr. Agus from the Kalijompo Plantation informed me that the status of the Kalijompo Watershed is <b>evacuation from banjir bandang.</b> Please inform all residents, especially those residing near the river, to <b>start evacuating</b> toward the meeting point and leave together for the evacuation site. Thank you, assalamualaikum."</i></li> <li>– <i>"Assalamualaikum, to the head</i></li> </ul>	11.08-11.12	4 minutes		

			<ul style="list-style-type: none"> <li>– Head of the Slawu Sub-District relays the information to the head of the Patrang District.</li> </ul>	<p><i>of the District, head of the Slawu Sub-District speaking. Mr. Agus from the Kalijompo Plantation informed me that the status of the Kalijompo Watershed is <b>evacuation from banjir bandang</b>. Thank you, assalamualaikum."</i></p>			
37	Gebang Poreng Village Hall	<ul style="list-style-type: none"> <li>– The rain continues with no sign of stopping.</li> <li>– Head of the Gebang Poreng Sub-District relays information from Mr. Agus to community leaders and asks them to ask the residents to start evacuating.</li> </ul>	<ul style="list-style-type: none"> <li>– Head of the Gebang Poreng Sub-District speaks to the walkie-talkie:  <i>"Assalamualaikum, head of the Gebang Poreng village speaking. Mr. Agus from the Kalijompo Plantation informed me that the status of the Kalijompo Watershed is <b>evacuation from banjir bandang</b>. Please inform all residents, especially those residing near the river, to <b>start evacuating</b> toward the meeting point and leave together for the evacuation site. Thank you, assalamualaikum."</i></li> <li>– <i>"Assalamualaikum, to the head of the District, head of the Gebang Poreng Sub-District speaking. Mr. Agus from the Kalijompo Plantation informed me that the status of the Kalijompo Watershed is</i></li> </ul>	11.12-11.16	4 minutes		

			to the head of the Patrang District.	<i>evacuation from banjir bandang. Thank you, assalamualaikum."</i>			
38	Satlak PB Command Posts at the villages	–	Satlak PB from the district and regency arrive at the Satlak PB Command Posts at the villages to coordinate with and assist the residents in evacuating.	–	Satlak personnels divide tasks to assist the residents in evacuating.	11.16-11.20	4 minutes
39	Meeting point	–	Village residents arrive from all directions, carrying survival kits for their stay at the shelters. Senior citizens, pregnant women, and the sick are supported as they walk or transported on stretchers. Adults carry small children in their arms.	-	The residents gather at the meeting point.	11.20-11.25	5 minutes
40	At the evacuation site	–	The tents have been erected: 1. Evacuation command post 2. Tents for men 3. Tents for women 4. Tent for medics 5. Logistics tent 6. Public kitchen tent	–	Activities at each tent	11.25-11.35	10 minutes

			<p>7. Washroom for men</p> <p>8. Washroom for women</p> <ul style="list-style-type: none"> <li>- The shelter is under Satlak's centralized command. Satlak gives out orders to gather data, make a list of the refugees' needs, provide medical care, and so forth.</li> </ul>				
Condition	Scene	Setting	Description	Action	Time	Duration	Notes
<p><b>Status:</b> <b>Critical-Dangerous</b></p> <ul style="list-style-type: none"> <li>- Rainfall: 120-150 mm/day</li> <li>- Water level: 180 cm</li> <li>- Fissure: 9</li> </ul>	41	Kalijompo Plantation	<ul style="list-style-type: none"> <li>- Heavy rain is still falling; landslides and debris flow begin.</li> <li>- Kalijompo plantation residents are secure at the shelter and the evacuation of the Kalijompo residents is complete.</li> <li>- The number and types of the refugees' needs are listed.</li> </ul>	Kalijompo informs Satlak and the district that there are [number of] refugees at the safe points and they are in need of [types of needs]. They may be relocated to another evacuation point.	11.35-11.40	5 minutes	
	42	Klungkung Village	<ul style="list-style-type: none"> <li>- Heavy rain is still falling; landslides and debris flow begin.</li> <li>- Refugees move from the meeting point to the evacuation point.</li> </ul>	- Heads of villages and community leaders lead the refugees from the meeting point to the evacuation point, with the help of Satlak (Babinsa, etc)	11.40-11.45	5 minutes	Kentongan, megaphone
	43	Karang Pring	- Heavy rain is still	- Heads of villages and	11.45-11.50	5 minutes	Kentongan,

		Village	falling; landslides and debris flow begin. – Refugees move from the meeting point to the evacuation point.	community leaders lead the refugees from the meeting point to the evacuation point, with the help of Satlak (Babinsa, etc).			megaphone
	44	Slawu Village	– Heavy rain is still falling; landslides and debris flow begin. – Refugees move from the meeting point to the evacuation point.	– Heads of villages and community leaders lead the refugees from the meeting point to the evacuation point, with the help of Satlak (Babinsa, etc).	11.50-11.55	5 minutes	Kentongan, megaphone
	45	Gebang Poreng Village	– Heavy rain is still falling; landslides and debris flow begin. Refugees move from the meeting point to the evacuation point.	– Heads of villages and community leaders lead the refugees from the meeting point to the evacuation point, with the help of Satlak (Babinsa, etc).	11.55-12.00	5 minutes	Kentongan, megaphone
<b>Condition</b>	<b>Scene</b>	<b>Setting</b>	<b>Description</b>	<b>Action</b>	<b>Time</b>	<b>Duration</b>	<b>Notes</b>
<b>Status:</b> <b>Critical-Dangerous</b>  – Rainfall: 120 -150 mm/day – Water level: 180 cm – Fissure: 9	46	Sukorambi and Patrang Districts	– Leaders arrive at the evacuation point to check on the refugees. – Leaders report to the Regency Satlak.	– Heads of villages and community leaders lead the refugees from the meeting point to the evacuation point, with the help of Satlak (Babinsa, etc).	12.05-12.10	5 minutes	Kentongan, megaphone
	47	Regency Satlak	– Leaders assist in the move from point to point, assisting the refugees, coordinating with each other. – Leaders provide solace for the refugees until the situation is safe.	– Leaders give instructions to the refugees in the evacuation site. Speech from Satlak leader/vice-leader, "Ladies and gentlemen, we from Satlak... You can all return to your homes after the situation is confirmed to be safe. Currently our personnels	12.10-12.20	10 minutes	Megaphone



				are doing an on-location check..."			
	48		End of simulation (applause from the audience)				

# ACTIVITIES

## Preparation

Activity preparation starts with the composition of the simulation scenario, and the activities start after the JICA and YPS cooperation is agreed upon. On October 17, 2011, the simulation scenario is drafted based on the SOP for the Kalijompo Watershed. The banjir bandang statuses, key participants, and instruments are written in reference to the SOP.

The following day, on October 18, 2011, YPM consulted with the key staff at the Kalijompo Watershed: Bakesbang Limnas (National Unity, Political and Public Protection Board) in Jember, Sukorambi District, Klungkung Village, and Kalijompo Plantation. They discussed activity plans and YPM invited the key staff to participate in the activities.

During the next two days, October 19-20, 2011, YPM coordinated with all the parties involved in the activities. YPM presented a report on the consultation and discussion of the previous day, and handed out invitations in cooperation with the Public Welfare Division of the Jember Regency. All invitations were delivered to the relevant offices, and heads of villages deliver the invitations to the communities and community leaders. Village and district officials, as well as community representatives, are also invited to attend the briefing and simulation training on October 21, and the simulation on October 23.

On Friday, October 21, 2011, YPM held the briefing and simulation training with 27 attendees (attendance list attached): Klungkung Village officials, community representatives from Krajan and Gendir Hamlets, the Kalijompo Plantation administration staff and community representatives, JICA, and YPM. Activity mechanisms and simulation scenario were discussed in the meeting, which went well and in which all attendees actively participated. Many of the questions and feedback contribute to a better arranged activity preparation.

On the following day, Saturday, October 22, 2011, YPM conducted the final preparation with 30 attendees (attendance list attached): Klungkung Village officials, community representatives from Krajan and Gendir Hamlets, the Kalijompo Plantation administration staff and community representatives, JICA, and YPM. Three plans were made during the meeting: for preparing the location map and instruments in the morning, for the initial training during the day, and for the final training in the late afternoon. However, the location map and instruments were not yet prepared in the morning; after the guests arrived, instruments and scene simulations in the scenario were inspected. During the day, tents were set up to represent locations at the Kalijompo Watershed and relevant administrative offices in accordance with the location map. The simulation preparation had been completed at this meeting. Participants understand what they must do during the simulation on the following day, and they were willing to take part in a pre-simulation rehearsal. In the afternoon, the location and instruments were ready for use.

The final simulation preparation was held on Sunday morning, October 23, 2011, and the location and instruments were inspected. The rehearsal was supposed to start at 7.30 a.m. However, none of the participants were present at that hour, therefore the rehearsal was cancelled.

As the final preparation, YPM as the committee made a list of the participants and guests before they entered the simulation location at the Klungkung village square. The purpose is to confirm that all participants and guests were present and accounted for, and to organize them into the tents as specified in the location map. The preparation started at 8.30 and ended at 9.30, and the opening ceremony began.

## Opening Ceremony

The opening ceremony started at 9.30 a.m. with Ms. Rokhani as the master of ceremony. The scheduled activities for the opening ceremony were then announced.

### 1. Opening

2. Preamble from the Director of YPM (Dr. Evita Soliha Hani)
3. Preamble from the Ministry of Public Works (Mr. Haryono Utomo)
4. Preamble from JICA (Mr. Ueno Toshiyasu)
5. Preamble from the Head of Bakesbangpol Linmas Jember (Drs. Edy Budi Susilo, M.Si) which signals the start of the simulation training.

#### **Preamble from Ms. Rokhani as the MC**

The evacuation training based on the SOP for the Kalijompo Watershed in the Klungkung Village is organized by YPM, JICA, and the Jember Regency government, and conducted in the Klungkung Village on Sunday, October 23, 2011. The training will begin shortly. May we present Dr. Evita Soliha Hani, the Director of YPM.

#### **Preamble from the Director of YPM, Dr. Evita Soliha Hani.**

*Assalamualaikum Warahmatullahi Wabarakatuh.*

Good morning and may God's blessings be upon us all. Our thanks and gratitude to the Almighty God for blessing us and our activities here today. The SOP for the Kalijompo Watershed is the blueprint for restorations in other watersheds in Jember, the final objective of which is banjir bandang management.

#### **Preamble from the Ministry of Public Works, delivered by Mr. Haryono Utomo**

*Assalamualaikum Warahmatullahi Wabarakatuh.*

Good residents of the Klungkung Village, good morning. I see that you are all in good health and ready for the evacuation simulation. An evacuation simulation is a training session or game to prepare us in managing banjir bandang at all times. Trainings prepare us for floods, and with preparations we'll be able to avoid disasters like the ones in 2006, in Panti and the Dinoyo River. If we are prepared, we will be able to survive banjir bandang, God willing.

I request that you cooperate with the government in preparing for and against banjir bandang. Please keep the currently available facilities well-maintained and functioning properly. If you see any damage in the facilities, please report to the nearest sub-district and district officials. Let us pray that today's training will go as planned, God willing.

The purpose of the simulation is to establish a system or work procedure in preparation of and against banjir bandang,

Thank you, and let us start the training.

*Wassalamualaikum Warahmatullahi Wabarakatuh.*

#### **Preamble from JICA, delivered by Mr. Ueno Toshiyasu**

Good morning.

I am an expert in banjir bandang mitigation from JICA. Last year JICA installed a rainfall gauge and water level gauge at the Kalijompo Watershed through a Table Top Exercise (TTE) simulation in order to manage banjir bandang. Simulations and TTE in Kalijompo resulted in a Standard Operating Procedure (SOP) for the Kalijompo Watershed that will be used in banjir bandang management in Kalijompo. The purpose of today's training, which takes place in the Klungkung Village, Sukorambi District, is to train residents in implementing the banjir bandang early warning system. The reason is that early warnings are crucial and can save lives. It is JICA's hope that, after this training, residents will understand how to evacuate during banjir bandang.

#### **Preamble from the Head of Bakesbangpol Linmas Jember, Drs. Edy Budi Susilo, M.Si.**

*Assalamualaikum Warahmatullahi Wabarakatuh.*

To my esteemed colleagues, Mr. Haryono Utomo, JICA, YPM, Muspika members from the Sukorambi, Patrang, and Slawu Districts, and fellow residents. It is a blessing that we are gathered here this morning. We are likewise blessed with an abundance of water, and as part of our faith we must preserve the water and prepare ourselves for water-related disasters. Therefore it is our hope that, through this simulation, we will become

more familiar with the preparations for disaster. We should know who to report to and which we should evacuate first, ourselves or our property. The government wishes for the residents to understand what to do during banjir bandang and what the risks are. During the simulation, please carry out the steps as if there is a real flood happening right now. It is important to know who and where to report to during banjir bandang. Then, during the training, you shall be able to inform your relatives, families, and neighbors about banjir bandang management. The training is a follow-up on the FGD (focused group discussion) and TTE that led to the SOP which will be recommended to other watersheds in the Jember Regency.

We wish to thank Mr. Yoshida and Mr. Ueda for their research during the past three years in banjir bandang preparations in order to operate the current instruments in banjir bandang control. Let us all continue and pray for God's blessings, and start the training.

*Wassalamualaikum warahmatullahi wabarakatuh*

## Simulation

The simulation began at 10 a.m. Rokhani, SP, M.Si from YPM will recite the schedule and supervise the activities. Below is the list of key participants for each post at the Kalijompo Watershed:

- |    |  |  |
|----|--|--|
| 1. | Monitoring Kalijompo Upstream                    | Mr. Agus (administrator of the Kalijompo Plantation) |
| 2. | Kalijompo Community Leaders                      | 1. Idih Mulyono<br>2. Sukardi                        |
| 3. | Klungkung Village Official (Upstream Village)    | Joko Mahsono (village secretary)                     |
| 4. | Klungkung Village Community Leader               | Abdurrahman  |
| 5. | Karang Pring Village Official (Upstream Village) | Atik Kusmiati (Facilitator from YPM)                 |

- |     |   |  |
|-----|---|--|
| 6.  | Karang Pring Community Leader (Upstream Village)    | Rahmatullah  |
| 7.  | Slawu Village Official (Downstream Village)         | Imam Syafi'i (Facilitator from YPM)                      |
| 8.  | Slawu Community Leader (Downstream Village)         | Fathorrozi   |
| 9.  | Gebang Poreng Village Official (Downstream Village) | Imam S.  |
| 10. | Gebang Poreng Community Leader (Downstream Village) | Hamim  |
| 11. | Sukorambi District                                  | Haidori (head of the district)                           |
| 12. | Patrang District                                    | Bambang Irawan (Military Resor Command)                  |
| 13. | Regency Satlak                                      | Heri Setiawan (head of the Limnas division in Bakesbang) |

Overall, the simulation went well with no communication problems. All participants did their job correctly, especially key participants from the Kalijompo Plantation, Klungkung Village, Karang Pring Village, Slawu Sub-District, Gebang Sub-District, Sukorambi District, Patrang District, and Satlak PBP from the Jember Regency. The communication progressed according to the scenario based on the SOP for the Kalijompo Watershed.

Most of the residents taking part in the simulation came from the Klungkung Village, where the simulation took place. There were also representatives from the Karang Pring Village, Slawu District, and Gebang District. The simulation also serves as a means of communication between upstream and downstream villages, in order to

create better coordination and communication in the future, especially during landslides and banjir bandang.

The instruments used functioned in accordance with the SOP for the Kalijompo Watershed. The early warning system instruments installed at the Kalijompo Plantation, the water level sensor and rainfall sensor, were also installed at the simulation location. Using these instruments, the community can receive information on and detect the signs of banjir bandang. The early warning system communication devices that were also used in the simulation are walkie-talkies in place of cell phones, megaphones in place of loudspeakers, and kentongan.

The constraints encountered during the simulation are:

- a. Limited preparation time (one week) results in inadequate planning and coordination. The key participants from four villages located in two districts required more time for preparation.
- b. Not all activity plans could be carried out because not all participants were present. The briefing and simulation training on Friday, October 21, 2011, should have been attended by representatives from all villages. Instead, only participants from the Klungkung Village and Kalijompo Plantation were present. The initial training was also attended only by participants from two locations, although in greater number.
- c. The participants had no strong commitment to the evacuation simulation, despite the maximum amount of coordination. Invitations were sent to all the parties included in the SOP for the Kalijompo Watershed, both by mail and via personal delivery by the committee. Village and district officials were sent special invitations in order to ensure their presence. Nevertheless, only some of them were present on the simulation day. This indicates their lack of commitment to be involved in banjir bandang management at the Kalijompo Watershed.



However, the abovementioned constraints did not hinder the activities from going according to plan. Participants carry out the following steps as stated in the scenario:

1. **Scene 1** was carried out correctly. Mr. Agus (Kaljomplo Plantation) informed everyone of the condition in the upstream Kalijomplo River.
2. **Scene 2 to scene 16** were carried out correctly. Village officials from the Klungkung and Karang Pring Villages, Sukorambi and Patrang District, and Satlak PBP from the Jember Regency received and responded to information from Mr. Agus correctly.
3. **Scene 17** was initially carried out correctly. Later, however, the irregular yet persistent sound of kentongan incited panic among the participants, and they evacuated when the status was still standby.
4. **Scene 18 to scene 24** were bypassed because participants had already evacuated, and the next scene was evacuation.
5. **Scene 25 to scene 40**, evacuation, were carried out correctly.
6. **Scene 41 to scene 48**, critical-dangerous, were carried out correctly.

## EVALUATION

### Evaluation by the Committee

The committee has noted the following from the simulation:

- a. The preparation is inadequate due to limited time, which also results in a lack of coordination among the parties whose commitment is not very strong to begin with.
- b. The simulation is not intensive enough because there was only one briefing (on October 21, 2011) and one rehearsal (on October 22, 2011). The briefing at the beginning of the simulation did not result in a proper simulation.

- c. Not all participants, especially those who participated in the TTE (Table Top Exercise), were present. The key participants were absent when they could have taken charge of the activities. The lack of rehearsal and human resources are among the several constraints in the simulation.
- d. One of the early warning system instruments, kentongan, is ineffective. Although it is a traditional and useful warning instrument, the time and place of use should be reconsidered because it is not entirely suitable for evacuation purposes.

### Evaluation by Various Parties

#### 1. Evaluation by the Director of YPM (Dr. Evita Soliha Hani)

*Assalamualaikum warahmatullahi wabarakaatuh,*

We would like to thank everyone, especially the community, for their participation in the simulation. Despite the shortcomings, we expect further accomplishments in the next simulation. Thank you for your wholehearted participation and being willing to pretend to run, even the elderly. We hope today's evacuation simulation will be useful in mitigating disaster risks.

*Wabillahi taufiq wal hidayah wassalamua'alaikum warahmatullahi wabarakaatuh.*

#### 2. Evaluation by JICA (Mr. Uchida Yoshida)

We would like to thank everyone for your hard work. Our assessment is that the evacuation simulation went too fast. In real life, an evacuation takes a very long time. The logistics during banjir bandang would also take a very long time; transporting supplies to evacuation sites takes much longer because the roads are harder to travel across. In a real evacuation, refugees may not receive food on the same day, particularly when there are obstacles on the roads. JICA would like to remind everyone to be prepared to rescue and sustain themselves during disasters. Everyone must be safe and the death rate must be kept at zero. Thank you.

### 3. Evaluation by Satlak PBP (Drs. Edy Budi Susilo, M.Si.)

*Assalamualaikum warahmatullahi wabarakaatuh,*

We would like to thank everyone for your participation. Our assessment is that the simulation went quite well. The community and participants - Satlak, the district officials, military resor command, police department, village officials, and the plantation - have carried out the simulation properly. However, the following should be improved:

#### 1. Communication devices

The communication devices are inadequate. Satlak and Muspika must establish better and more effective communication methods.

#### 2. Different understandings of information

The sounding of the kentongan should not confuse the evacuees. For instance, they think that sounding the kentongan twice means flood, and yet it means theft or fire. Do not sound the kentongan repeatedly like you would a musical instrument. There must be a mutual agreement about how the kentongan is sounded to indicate natural disasters such as flood.

#### 3. SOP

The head of the district issued a decree on Kader Masyarakat Siaga (Vigilant Community Cadre). The cadre will develop and disseminate information on the SOP in public meetings to familiarize the public with the banjir bandang early warning system.

The key sentence in this activity is: **we do not hope for disaster, thus the SOP for the banjir bandang early warning system must be publicly understood and put into practice.** For instance, evacuate the people first instead of the cattle, because we must prioritize human lives. The activities involve all stakeholders, and all parties must participate in them and cooperate.

JICA and YPM will provide guidance only for a limited time. In the end, disaster management depends on Satlak PB from the Jember Regency and the community; the lessons they have learned thus far must be improved. After receiving the decree from the head of the district, the cadre must start working. If not, they must be replaced with

a new cadre. Officials must be vigilant and aware of the information route for the banjir bandang early warning system at the Kalijompo Watershed. This includes the names, addresses, and contact details of the persons who relay the information. Officials must also be familiar with evacuation meeting points and evacuation sites, as well as with the implementation of evacuation methods. The point is that comprehensive knowledge and constant exercises are obligatory. Similar activities are also required in other locations, such as the Silo District.

#### 5. Evaluation by the Ministry of Public Works (Haryono Utomo)

*Assalamualaikum warahmatullahi wabarakaatuh,*

Trainings are useful in familiarizing the public with the technicalities of evacuation, and should be conducted at the beginning of the rain season. The public should not depend on YPM, JICA, or the local government, but conduct the trainings independently, thus preparing for disasters through their own efforts.

A single map detailing evacuation routes is required, and copies of it must be distributed to public places such as schools, sub-district offices, and neighborhood association/council offices, to familiarize the public with disaster management. Sleman provides a good example, in that evacuation maps are available in public places. These maps show the meeting points, evacuation sites, and safe areas. The locations are marked with flags tied on high poles or on tall trees. During a flood, evacuees will quickly see which locations are safe and which should be avoided. Yellow flags, for instance, indicate safe areas, white flags indicate the final evacuation site, and red flags indicate disaster-prone areas.

Simulation activities should be made as similar to the real situation as possible. When banjir bandang strikes, participants must act fast and choose succinct words to relay information, in order to avoid different interpretations and create quick and integrated understanding among evacuees. Since the purpose of simulation is to test and examine the SOP, all parties may make suggestions and review the SOP as

participants. The SOP will become a prototype for other locations while taking local conditions into account.

Previous experience shows that it is easy to determine safe and easily accessible locations in mountain slopes. But during the simulation, ladies wearing jarik (traditional cloth for covering the lower body) could not move too freely, which we did not anticipate. The public must work on a mutual understanding of good and continuous disaster management, rather than wait for initiatives from the government. Thank you.  
*Wassalamualaikum warahmatullahi wabarakatuh.*

6. Written evaluation from Mr. Lesto Kusumo (Ministry of Public Works)

- a. The terminology in the SOP must be explained. More than a schema with names attached to it, the SOP must also detail the meeting points, evacuation points, overview of the region, and vital points.
- b. Instead of the word Alert, use Vigilant, Ready, and Standby/Evacuation.
- c. In the event of a real disaster, change the disaster's name or add "banjir bandang" to it.
- d. Evacuation route and points should be in locations with strong infrastructures, so that they will be easily accessible to the evacuees during banjir bandang.

## RECCOMENDATION

The following recommendations are made based on the evaluation of the simulation:

1. The following need to be revised in the SOP for the banjir bandang early warning system at the Kalijompo Watershed:
  - a. Use kentongan only during **evacuation**. Use loudspeakers or megaphones when the status is **standby**.

- b. Make an evacuation map that clearly shows the evacuation route, meeting points, and evacuation sites.
  - c. The SOP must be updated regularly, especially the contact details of key participants, since people have a habit of changing cell phone numbers. Key participants who are not active, and therefore lacking in commitment, should be replaced.
2. There needs to be a Kalijompo Watershed forum to improve and maintain general and individual commitment. Through this forum, all key participants will be made more active in implementing the SOP for the banjir bandang early warning system at the Kalijompo Watershed, and discuss issues related to the Kalijompo Watershed.
3. Trainings and simulations should be held regularly, in order to improve public knowledge of the SOP for the banjir bandang early warning system at the Kalijompo Watershed and keep them alert.

## CONCLUSION

The report of the training and evacuation simulation for the banjir bandang early warning system in the Klungkung Village provides an overview and explanation of the implementation. We would like to thank all parties who have assisted in the activities. It is our hope that the public will gain further knowledge, awareness and skills in disaster management and risk mitigation.

Attendance List  
Coordination Meeting on October 21, 2011



## Yayasan Pengabdian Masyarakat (YPM)

Jl Slamet Riyadi 120 Jember  
(0331) 424447

### ATTENDANCE LIST

Day/Date : Friday, October 21, 2011

Time : 1.00 - 4.00 p.m.

Venue : Klungkung Village Hall

Activity : Rehearsal for Simulation of the SOP for Banjir Bandang Early Warning System-Kalijompo Watershed

No.	Name	Address	Office
1	SARWI	BUSUK KALIJOMPO	Jat
2	Joko Widodo	Sede Des.	Ka.
3	M. Rizki	PPD	PPD
4	SIFII	FKPM	FKPM
5	SEKAROI	Yera Kalijompo	Yera
6	SUPTO	Mujan	Mujan
7	P HO	Mujan	Mujan
8	P Sam	Gembur	Gembur
9	P Umar	Gembur	Gembur
10	AGUS DM	Kalijompo	Kalijompo
11	Toti Mulyono	Kalijompo	Kalijompo
12	Toshida Keiji	JICA	JICA
13	Dwi Rana H	JICA	JICA
14	Febri Muhlita	Unesj	Unesj
15	Mustapic	YPM	YPM



# Yayasan Pengabdian Masyarakat (YPM)

Jl Slamet Riyadi 120 Jember  
(0331) 424447

## ATTENDANCE LIST

Day/Date : Friday, October 21, 2011

Time : 1.00 - 4.00 p.m.

Venue : Klungkung Village Hall

Activity : Rehearsal for Simulation of the SOP for Banjir Bandang Early Warning System-Kalijompo Watershed

No.	Name	Address	Office
1	Arigo Fajar S	yprn	
2	Bach	YPM	
3	Alang	YPM	Fabriz
4	Adi S.	Klungkung	(Bos)
5	Juwani	---	Ju
6	Sumardi	---	Ju
7	Tuan	klungkung	Ju
8	Dwi Sugenta	klungkung	Ju
9	Buyari	LINMAS / ds klungkung	Ju
10	P. YATOU	KRAJAM	Ju
11	H. SARIP	KrajAM	Ju
12	hasan	genfue	Ju
13			
14			
15			

Attendance List  
Rehearsal on October 22, 2011



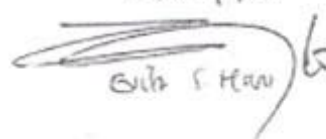
**Yayasan Pengabdian Masyarakat  
(YPM)**

Jl Slamet Riyadi 120 Jember  
(0331) 424447

ATTENDANCE LIST

Day/Date : Saturday, October 22, 2011  
Time : 9 a.m. - 1.00 p.m.  
Venue : Klungkung Village Hall  
Activity : Rehearsal and SOP Simulation

No.	Name	Address	Office
1	Joko M.	Klungkung	SKR Des.
2	Agus DM	Kaliyompo	Pimpinan →
3	SUKARJO	→	Karyawan
4	NIAI	Kaliyompo	RT
5	YIM FIMID	- - -	RT
6	Dwi Susanto	Klungkung	PMJ
7	TUN	Klungkung	RT
8	Idi Mulyono	Kaliyompo	Karyawan
9	P. Umar	Gerdis	Ko. Sen
10	P. Sam	Gerdis	Sen
11	Srie Lestari	Kaliyompo	Sen
12	Romualdi	"	Sen
13	Poniati	"	Sen
14	Suwages.	Klungkung	Sen
15	Adi-S	Klungkung	Sen

Roha YPM  
  
Gita S. Haru



# Yayasan Pengabdian Masyarakat (YPM)

Jl Slamet Riyadi 120 Jember  
(0331) 424447

## ATTENDANCE LIST

Day/Date : Saturday, October 22, 2011  
Time : 9 a.m. - 1.00 p.m.  
Venue : Klungkung Village Hall  
Activity : Rehearsal and SOP Simulation

No.	Name	Address	Office
1	PABOURAHMAN	Klungkung	
2	P. FEBI	Desa Ekarit	
3	HAIDORI	Kec. Sukoharjo	
4	Mustajir	YPM	
5	Euh	YPM	
6	Rokhan,	YPM	
7	BUDI	KLUNGKUNG	
8	P ITO	Mujan	
9	AK K	YPM	
10	ZAHKO	Kader Korpri	
11	EBBAN BAGUS K	YPM	
12	Aling	YPM	
13	Juwanti	Klungkung	
14	Juwanti	Klungkung	
15	Aryo Fajar	YPM	

Attendance List  
EWS Training and Evacuation Simulation, October 23, 2011



ATTENDANCE LIST  
SOP SIMULATION FOR THE BANJIR BANDANG EARLY WARNING SYSTEM  
KALIJOMPO WATERSHED  
2011



Day/Date : Sunday, October 23, 2011  
Time : 8 a.m. - 2.00 p.m.  
Venue : Klungkung Village Hall, Sukorambi District, Jember Regency

No.	Name	Office	Institution/Address	Signature
1.	Bunaki	PorBina	Kedim	[Signature]
2.	M. Solah	YPM	Jember	[Signature]
3.	SAMSUC	"	"	[Signature]
4.	M. MOLEH	"	"	[Signature]
5.	Spie Iestari	Masy.	Kalijompo	[Signature]
6.	Romwag'ah	"	Kalijompo	[Signature]
7.	Mashuriz	assistant	JICA	[Signature]
8.	Pasha	assistant	JICA	[Signature]
9.	Siti Rohani	Masy.	Kalijompo	[Signature]
10.	Muslimi	Wartawan	GORAK KEBAR	[Signature]
11.	Slamat Riyazi	"	Potowanews. Com	[Signature]
12.	Fahri Yessi P	Assistant.	JICA	[Signature]
13.	P. Selasut	kin mas	Kerajaan	[Signature]
14.	Yim Jamid	RT.01 RW.05	Perk. Kalijompo	[Signature]
15.	Abdul HAMID	KARYAWAN	Perk. Kalijompo	[Signature]
16.	FASAL	RT 01 RW 06	Kerajaan	[Signature]
17.	Suwasil	Kadim.	Kerajaan	[Signature]
18.	P. Maryana	RT.	Perk.	[Signature]
19.	nar	Masy.	Kerajaan	[Signature]
20.	Kalin	RW.	Perk.	[Signature]
21.	Eliatus.	Karyawan.	Perk.	[Signature]
22.	PONRATI	karyawan	Kalijompo	[Signature]
23.	NARDO	KERAJAN	DS Klungkung	[Signature]
24.	P. Jh		R Klungkung	[Signature]





ATTENDANCE LIST  
SOP SIMULATION FOR THE BANJIR BANDANG EARLY WARNING SYSTEM  
KALIJOMPO WATERSHED  
2011



Day/Date : Sunday, October 23, 2011  
Time : 8 a.m. - 2.00 p.m.  
Venue : Klungkung Village Hall, Sukorambi District, Jember Regency

No.	Name	Office	Institution/Address	Signature
25.	Ny. Badri	Sekretaris pro	Krajan	[Signature]
26.	H. MOH Ali	Mauzabul	Gendis	[Signature]
27.	Bpk. MOH. GASUN	MASYRAKAT.	GENDIR	[Signature]
28.	Sutayo	BPD	"	[Signature]
29.	P. Sun	Cinmas	"	[Signature]
30.	WAGIMIN	masyakat	Gendak	[Signature]
31.	H. MUSLEH	BPD	Krajan	[Signature]
32.	Sulfatus Saniah	Kader PKK	Gendir	[Signature]
33.	P. RIABUL'	LINMAS	KRAJAN	[Signature]
34.	HARIYONO	Pengarangon	Pangarangon	[Signature]
35.	TRISNO	Po ~	Pangarangon	[Signature]
36.	BUDI	Krajan		[Signature]
37.	Bpk. mahesno	Sela des.	Klungkung	[Signature]
38.	Bpk. rahman	B.P.D.	Klungkung	[Signature]
39.	Imam Busaeri	RW	- - -	[Signature]
40.	MELINDA	PELABAR	KALIJOMPO	[Signature]

Yayasan Pengabdian Masyarakat (YPM)  
Director

Dr. Evita Soliha Hani



ATTENDANCE LIST  
SOP SIMULATION FOR THE BANJIR BANDANG EARLY WARNING SYSTEM  
KALIJOMPO WATERSHED  
2011



Day/Date : Sunday, October 23, 2011  
Time : 8 a.m. - 2.00 p.m.  
Venue : Klungkung Village Hall, Sukorambi District, Jember Regency

No.	Name	Office	Institution/Address	Signature
41.	P. IREH.	KORPORAN	- KEMUNG	
42.	P. SASYAU	MASRAKAT	Klungkung	
43.	H. NINA	P. WILKES	Klungkung	
44.	H. TAWA	MASRAKAT	Klungkung	
45.	H. YEDE	MASRAKAT	Klungkung	
46.	ARLIANTO	UO.	-	
47.	P. FEBRI	KORPORAN	Klungkung	
48.	P. HO	KORPORAN	Klungkung	
49.	P. NO	RW 9	Klungkung	
50.	P. SAKI	STAP	Klungkung	
51.	KUSYALI	KORPORAN	Klungkung	
52.	YON.	Mahasiswa	Klungkung	
53.	ABDURAHMAN	Kalangan		
54.	SONIMA	-		
55.	P. Abd Mu'is	BpD	Klungkung	
56.	P. YENI	RW	Koridor	
57.	JUNAIDI	-	Gendir	
58.	P. SAKI	RT	Koridor	
59.	H. MUKTAR	KADER	Koridor	
60.	B. FAIK	.	Koridor	
61.	P. RUS	RW	Kalangan	
62.	SITI AMINA	MASRAKAT	Klungkung	
63.	HAMIM	tanah.	gebong.	
64.	JULI YANTI	KADER	Gendir Klungkung	



ATTENDANCE LIST  
SOP SIMULATION FOR THE BANJIR BANDANG EARLY WARNING SYSTEM  
KALIJOMPO WATERSHED  
2011



Day/Date : Sunday, October 23, 2011  
Time : 8 a.m. - 2.00 p.m.  
Venue : Klungkung Village Hall, Sukorambi District, Jember Regency

No.	Name	Office	Institution/Address	Signature
65.	P. Muli.	RT	Kaya	
66.	H. Satri	-	-	
67.	P. Diki	RT	File grup	
68.	P. Buyan	LINMAS	DS Klungkung	
69.	ZAHRO	kader	Krajou	
70.	Pandu		Kelompok	
71.	AGUS S.	DINER	Jember	
72.	FARID M	KADU KEU	KAPANGPANG	
73.	Sudin	Kasum	-	
74.	Hendra .o.p.			
75.	Rupiyanto	PMI-Jember	Jember	
76.	P. Umar .	Gendakasa	Jember	
77.	MASDI	KE-2	Gendak	
78.	ATI-S.	Caru Blong	Blungkung	
79.	Sumadi		Blungkung	
80.	Susadi		Blungkung	

Yayasan Pengabdian Masyarakat (YPM)  
Director

Dr. Evita Soliha Hani





ATTENDANCE LIST  
SOP SIMULATION FOR THE BANJIR BANDANG EARLY WARNING SYSTEM  
KALIJOMPO WATERSHED  
2011



Day/Date : Sunday, October 23, 2011  
Time : 8 a.m. - 2.00 p.m.  
Venue : Klungkung Village Hall, Sukorambi District, Jember Regency

No.	Name	Office	Institution/Address	Signature
81.	HIDAYATULLAH	sekertaris (osis)	Rombi Puji	[Signature]
82.	Lilis fatmawati	Kabid. Osis	- " -	[Signature]
83.	Zulkarnaen	KS	- " -	[Signature]
84.	Umi masruroh	MPK	- " -	[Signature]
85.	AHMAD	RT	Klungkung	[Signature]
86.	Joni BEINUA	warga	Klungkung	[Signature]
87.	MADARA	BNN Kawi	Koramil Patrang	[Signature]
88.	SUKARTI	Masyarakat	Klungkung	[Signature]
89.	HIDARI	Korwil	Sukorambi	[Signature]
90.	BAMBANG.S	Kopolsuc	Sukorambi	[Signature]
91.	MASHUDA	Masyarakat	Klungkung	[Signature]
92.	B. Febi	"	"	[Signature]
93.	B Lit	"	"	[Signature]
94.	B Sarwi	"	"	[Signature]
95.	B Bagas	"	"	[Signature]
96.	Nupi	"	"	[Signature]
97.	B. YON	"	"	[Signature]
98.	B Febr	"	"	[Signature]
99.	Jauyanti	PS Kawi. Pimms	PATRANG.	[Signature]
100.	GUNAWATI T.	KABUPATEN DS.	MD RES	[Signature]
101.	Doni's	KOT. SARHARA.	- " -	[Signature]
102.	Purnanto	newakel. Camat	Sukorambi	[Signature]
103.	HASAN D.	POL. VEK	KORIT INTELLIG	[Signature]
104.	marqah Nur hadiroh	mahasiswa	Klungkung	[Signature]





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No.	Name	Office	Institution/Address	Signature
105.	RUKMIYATI	KADER	GENDIR	
106.	P. RATI	DS Klungkung	KERAJAN	
107.	A. GUS NABONO	BABINSA	KORAIL Sukorambi	
108.	BANUBANG / KANUN	DAN RAMIL	KORAIL - " -	
109.	Joko	BABINSA	Dim	
110.	B. MASI	Rayat	KLUNG.	
111.	HOIRIA	Krajan	Klungkung	
112.	Sinta	krajan	klungkung	
113.	imRotul	krajan	klungkung	
114.	P. HODI	KERAJAN	klung kung	
115.	DUL MUH	KERAJAN	klung klung	
116.	B-IMAM	KERAJAN	klungklung	
117.	AFIYAH	KERAJAN	klung klung	
118.	RONI	<del>DA</del> KERAJAN		
119.	WAKIK	KANDAR	klungkung	
120.	Ela	JendIR		

Yayasan Pengabdian Masyarakat (YPM)  
Director

Dr. Evita Soliha Hani



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No.	Name	Office	Institution/Address	Signature
121.	SRI NINGSIH	Kerajan	Klungkung	[Signature]
122	PRUFI	KERAJA	Klungkung	[Signature]
123	WARAH	KERAJA	Klungkung	[Signature]
124	WASMAN FAJID	"	Kerajan	[Signature]
125	H. SYORIF	"	"	[Signature]
126	KHOTIMATUL	Kerajan	Klungkung	[Signature]
127	M. RAKUZI	GenDir BPD	GenDir	[Signature]
128	Diah Puspaningrum	YPM	Jember	[Signature]
129	Ali Kusniati	"	"	[Signature]
130	IMAM SYAFI	YPM	"	[Signature]
131	Wahitubandari	"	Jember	[Signature]
132	EBBANI BRUNI K	"	Jember	[Signature]
133	Arya Farhan S	"	"	[Signature]
134	M. Murtajit	"	Jember	[Signature]
135	Doko Soesono	"	Jember	[Signature]
136	Ardhini Estu W.	"	Jbr	[Signature]
137	MAS ADI K	"	Jbr	[Signature]
138	Jedun Rusumoto	"	Jbr	[Signature]
139	Febian Mublis P	"	Sosek Jbr	[Signature]
140	MIFTAHUR ROHMAH	"	SOSEK "	[Signature]
141	INDAH IBANAH	"	SOSEK "	[Signature]
142				
143				
144				



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No.	Name	Office	Institution/Address	Signature
1.	Rita Tri Widariati	Head of Desa Karang Pring	Desa Karang Pring	
2.	Rahmattullah	Resident	Local Resident of Desa Karang Pring	
3.	Nuryanto	Resident	Local Resident of Desa Karang Pring	
4.	Agus Supariono	Staff of Operation Division for Kecamatan	Resort Police Jember	
5.	Samsul Arifin	Local leader	Local Resident of Kelurahan Patrang	
6.	Imam S	Head Section of Social Welfare	Kelurahan Patrang	
7.	Hamim	Local leader	Local Leader of Kelurahan Gebang Poreng	
8.	Agus DM	Head of Kalijompo Plantation	Kalijompo Plantation	
9.	Nur Mustari	Head Section of Social Welfare in	Kelurahan Gebang	
10.	Hery Setiawan	Head Division of Society Protection	Bakesbangpol Jember	
11.	Winardi	Staff	Media Center of Jember Government	
12.	Edy B Susilo	Head of Bakesbangpol	Secretary of SATLAK	
13.	Sukartono	Head Section of Peace and Order	Kelurahan Patrang	
14.	Sukardi	Staff of manufacturing -section	Kalijompo Plantation	
15.	Sujono	Staff	KODIM 0824 Jember	
16.	Teguh K	Staff	Public Relation Office of Kabupaten Jember	
17.	Husin	Head of Desa Klungkung	Desa Klungkung	
18.	Junaldi	Resident	Local Resident Desa Klungkung	
19.	Jatimo	Staff of Peace and Order section	Kelurahan Patrang	
20.	Moh Tosan	Head Section of Environment	Kelurahan Slawu	
21.	Nur Hasan	Local leader	Local Resident of Kelurahan Slawu	
22.	Fathorrazi	Local leader	Local Resident of Kelurahan Slawu	



Documentation of Activities



Briefing on October 22, 2011



Rehearsal on October 22, 2011





Registration/Preparation for Evacuation Training in SOP for Kalijompo Watershed



Evacuation Training in SOP for Kalijompo Watershed: Opening Ceremony





A Scene at the Banjir Bandang Early Warning System Training



Banjir Bandang Evacuation Training





At the Evacuation Site



Training Evaluation by JICA